MITSUBISHI ELECTRIC

Air Conditioning
Heat Pumps

*Our **Heat Pumps** are very, very quiet*

New Zealand's Quietest Heat Pumps*

*MSZ-A09 and MSZ-FA25 at low operation speed, as at 1st March 2006 in the 2.5kW Cooling Range.

Quietly Superior

MITSUBISHI ELECTRIC
Quietly Superior

Comfort for all of New Zealand

Are you looking for a convenient, energy efficient system that provides comfortable, controllable heating in winter, summer cooling and air purification year round? Are you worried about the continuing price rise of electricity, the uncertainty of long-term gas supply or clean air regulations curbing the use of combustible heating sources?

The answer lies in reverse cycle air conditioning by Mitsubishi Electric.

Relax in comfort from burning summer days or freezing cold nights with up to three times the energy efficiency of conventional heating appliances. Mitsubishi Electric cuts your heating costs, and your budget.

Our extensive feature rich range ensures there is a model to meet your needs, whilst our contemporary styling will compliment any interior. All this with the whisper quietness you have come to expect from Mitsubishi Electric.

Everyone deserves a home where you feel just how you want to feel all year round and we are pleased to make it possible.

How does it work?

It's actually quite simple. Mitsubishi Electric air conditioners works in much the same way as your refrigerator, except there are two separate but integral parts to the system. There is an outside unit housing the compressor that is similar to the exterior back of your fridge. It draws warmth from the outside air in even the coldest of weather. That warmth is then transferred inside the home using a refrigerant process through a piping system powered by an indoor fan unit that is typically mounted to the wall. This is why the system is also often referred to as a heat pump rather then air conditioning. Both are in fact the same. Similarly, in summer the reverse happens. Warm air is drawn from the interior room and expelled by the outside unit.

Mitsubishi Electric air conditioners (or heat pumps) are capable of transferring 3kW of heat into a space while only consuming 1kW of electrical energy. This makes them extremely energy efficient. The energy efficiency of a heat pump decreases as the temperature difference between inside and outside becomes greater, but it typically provides 3 or more times as much heat as a normal electric space heater would provide with the same amount of electricity input.

sShhhh...

they're very, very quiet.

What features do you need to look for?

Energy Efficiency

In a recent Consumer Magazine feature, air conditioning was noted as being among the most efficient heating options on the market. Energy efficiency is measured in COP (co-efficient of performance) that compares the heat energy output by the air conditioner compared to the electrical energy used. The Mitsubishi Electric MSZ-FA25VA for example has one of the best ratings in the industry with a COP of 4.35 and a star rating of 6.

Quietness

Indoor and Outdoor fan noise should be minimal so as not to disturb occupants especially in a bedroom or living room. The Mitsubishi Electric MSZ-A09YV and MSZ-FA25VA indoor units have the lowest sound level in the industry at an amazingly low 21 dB. Outdoor unit noise levels must also be considered so as not to disturb neighbours in high-density population areas such as apartment buildings and residential areas. The Mitsubishi Electric Inverter range features a speed controlled outdoor unit fan that modulates its speed to match the system load. This speed control combined with advanced fan blade design significantly reduces the outdoor unit noise levels when it matters most at night.

Inverter Technology for even more Energy Savings

Mitsubishi Electric Inverter technology offers even more energy savings by matching compressor speed output to your indoor heating or cooling load conditions. Energy savings of up to 27% are possible over fixed speed units as well as smoother temperature control and lower starting current. Mitsubishi Electric Inverter models also have the capability to run above rated capacity for quicker achievement of design controlled environment conditions under adverse outdoor conditions.

Guaranteed performance down to -10°C

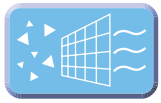
Many air conditioners do not perform when they are needed on the coldest mornings and the hottest days. The Mitsubishi Electric range has a guaranteed performance down to -10°C to ensure adequate heating performance on cold nights and mornings when you really need it.

Humidity Regulation

Dampness and mould are the prime destroyer of furniture, drapes and chattels as well as causing unpleasant odours. The Mitsubishi Electric range has a DRY cycle function only in the cooling mode, where the indoor coil acts like a mirror in a bathroom collecting moisture and removing it via the attached condensate drain.

Air Purification

Sufferers from Asthma, Hay Fever and other allergies will benefit greatly from our Deluxe Inverter Plasma Duo High Wall models that feature state-of-the-art filtration. The washable Plasma Electrode Filter effectively breaks down dust, smoke and pollen, whilst the washable Ceramic Filter is engineered to decompose unpleasant odours and deodorise the air.



7 Day Timer

Wake up and come home to optimal temperatures whilst conserving energy. The optional 7 Day Timer from Mitsubishi Electric allows you to program your Compact Floor Console or Deluxe Plasma Duo High Wall with up to 8 separate Start/Stop patterns per day over a 7 day period. For example, during the week you can program your system to turn on half an hour before you wake up at 6.30am, turn off when you leave for work at 8.00am, turn back on half an hour before you get back home at 5.30pm, and turn off when you go to bed at 11.00pm. For weekends you can program your system to first turn on at 9.00am instead.

MITSUBISHI ELECTRIC
Quietly Superior

Wall-mounted
MSC-A YV Series

MSC-A07/09/12YV

MSH-A WV Series

MSH-A18/24/26/30WV

FIXED-SPEED

- New Look, Flat Panel***
- Quiet Operation
- Wide and Long Air Flow*
- New Catechin Filter
- Air Cleaning Filter
- Energy-saving "Econo Cool"
- Fuzzy-logic "I Feel" Control
- 24 Hour Timer

Energy Rating	4.0 / 5.0	4.5 / 5.5	5.0 / 5.5	4.0 / 4.0	3.0 / 3.0	3.0 / 3.0	2.5 / 2.5
Cool	2.3kW 2.97 COP 25 dB(A)**	2.55kW 3.05 COP 25 dB(A)**	3.5kW 3.21 COP 26 dB(A)**	5.1kW 2.91 COP 34 dB(A)**	6.3kW 2.60 COP 34 dB(A)**	7.2kW 2.69 COP 37 dB(A)**	8.5kW 2.56 COP 37 dB(A)**
Heat	2.5kW 3.62 COP 25 dB(A)**	3.0kW 3.66 COP 25 dB(A)**	3.8kW 3.69 COP 26 dB(A)**	5.3kW 3.31 COP 34 dB(A)**	7.2kW 2.90 COP 34 dB(A)**	8.0kW 2.94 COP 37 dB(A)**	9.6kW 2.77 COP 37 dB(A)**
Heat Pump	MSC-A07YV	MSC-A09YV	MSC-A12YV	MSH-A18WV	MSH-A24WV	MSH-A26WV	MSH-A30WV

Specifications only, refer to: Page 23

* For MSH-A18/24/26/30WV
** SPL rated at low speed
*** For MSC-A07/09/12YV

Wall-mounted
MSZ-A YV Series

MSZ-A09/12YV

MSZ-A18/24/26/30YV

INVERTER

- New Look, Flat Panel
- Lowest Noise available in the industry: 21dB(A)****
- New Catechin Filter
- Fuzzy-logic "I Feel" Control
- Energy-saving "Econo Cool"
- Wide and Long Air Flow*
- Auto Change Over***
- Quick-clean Design***
- 24 Hour Timer
- Air Cleaning Filter
- Longer Piping Length
- **Guaranteed performance down to -10°C**

Energy Rating	6.0 / 6.0	5.0 / 5.5	5.0 / 4.5	4.0 / 4.0	4.0 / 3.5	2.5 / 2.5
Cool	2.5kW 3.73 COP 21 dB(A)**	3.5kW 3.21 COP 22 dB(A)**	5.0kW 3.21 COP 31 dB(A)**	6.0kW 3.02 COP 32 dB(A)**	7.1kW 2.91 COP 33 dB(A)**	8.0kW 2.45 COP 33 dB(A)**
Heat	3.2kW 3.81 COP 21 dB(A)**	4.0kW 3.70 COP 22 dB(A)**	5.9kW 3.41 COP 31 dB(A)**	6.8kW 3.32 COP 32 dB(A)**	8.1kW 3.06 COP 33 dB(A)**	9.0kW 2.77 COP 33 dB(A)**
Heat Pump	MSZ-A09YV	MSZ-A12YV	MSZ-A18YV	MSZ-A24YV	MSZ-A26YV	MSZ-A30YV

For details refer to: Page 9

* For MSZ-A18/24/26/30YV
** SPL rated at low speed
*** For MSZ-A09/12YV
**** For MSZ-A09YV

Deluxe Wall-mounted
MSZ-FA VA Series

Plasma Duo Filter Systems

i-see Sensor

INVERTER

- New Look, Compact Flat Panel
- Quietest Operation in the Industry: 21dB(A)*
- New Long Life Washable Plasma Deodorising Filter
- New Long Life Washable Plasma Air Purifying Filter
- New "i-see" sensor for Uniform Heating
- Wide Air Flow with Auto Front Panel
- Quick Clean Design
- Energy-saving "Econo Cool"
- Auto Change Over
- 24 Hour Timer
- Optional Weekly Timer
- Longer Piping Length
- **Guaranteed performance down to -10°C**

Energy Rating	6.0 / 6.0	6.0 / 6.0
Cool	2.5kW 4.20 COP 21 dB(A)**	3.5kW 3.74 COP 22 dB(A)**
Heat	3.2kW 4.35 COP 21 dB(A)**	4.0kW 4.02 COP 22 dB(A)**
Heat Pump	MSZ-FA25VA	MSZ-FA35VA

For details refer to: Pages 11 - 12

* For MSZ-FA25VA
** SPL rated at low speed

Compact Floor Console
MFZ-KA VA Series

INVERTER

- New Slim Line and Compact Design
- Quiet Operation: 22dB(A)*
- New "I-save" Mode for Preferred Setting
- New Catechin Filter
- New Anti-Allergy Enzyme Filter
- Energy-saving "Econo Cool"
- Swing and Auto Modes
- Auto Change Over
- 24 Hour Timer
- Optional Weekly Timer
- Longer Piping Length
- **Guaranteed performance down to -10°C**

Energy Rating	6.0 / 6.0	4.5 / 5.0	4.5 / 4.0
Cool	2.5kW 4.31 COP 22 dB(A)**	3.5kW 3.21 COP 23 dB(A)**	4.8kW 3.10 COP 32 dB(A)**
Heat	3.4kW 4.07 COP 22 dB(A)**	4.0kW 3.81 COP 25 dB(A)**	6.0kW 3.23 COP 32 dB(A)**
Heat Pump	MFZ-KA25VA	MFZ-KA35VA	MFZ-KA50VA

For details refer to: Pages 13 - 14

* For MFZ-KA25VA
** SPL rated at low speed

ALL

R410A

ALL

Heating at -10°C

MSC, MSZ, MFZ Series

Air Purification

6 Star Energy Rating

MSZ-A09YV
MSZ-FA25VA
MSZ-FA35VA
MFZ-KA25VA

21 dB(A)

MSZ-A09YV
MSZ-FA25VA

2-by-2 Ceiling Cassette

SLZ-KA VA(L) Series

INVERTER

- Ideal Panel Size for 2-by-2 Ceilings
- Light Weight Design
- Long-life Filter
- Fresh Air Intake
- Smudge-free Airflow
- Auto Change Over
- Auto Vane
- Swing Mode
- 12 Hour Timer (Wireless)*
- PAR-21MAA 7 Day Timer (Wired)***
- Longer Piping Length
- **Guaranteed performance down to -10°C**

Energy Rating	6.0 / 5.0	5.0 / 5.0	3.5 / 4.0
Cool	2.5kW 3.62 COP 28 dB(A)**	3.5kW 3.30 COP 29 dB(A)**	4.6kW 2.82 COP 30 dB(A)**
Heat	3.0kW 3.61 COP 28 dB(A)**	4.0kW 3.64 COP 29 dB(A)**	5.0kW 3.23 COP 30 dB(A)**
Heat Pump	SLZ-KA25VA	SLZ-KA35VA	SLZ-KA50VA

For details refer to: Pages 15

* SLZ-KA25/35/50VAL
** SPL rated at low speed
*** SLZ-KA25/35/50VA

Compact Ceiling Concealed

SEZ-A AR Series

INVERTER

- Integrated Package for Simplified Installation
- Auto Change Over*
- 24 Hour Timer
- Longer Piping Length
- **Guaranteed performance down to -10°C**

Energy Rating	4.5 / 5.0	3.5 / 4.0	3.5 / 2.5
Cool	3.4kW 3.12 COP 30 dB(A)**	5.0kW 2.81 COP 31 dB(A)**	5.5kW 2.81 COP 32 dB(A)**
Heat	3.9kW 3.55 COP 30 dB(A)**	5.9kW 3.21 COP 31 dB(A)**	6.9kW 2.82 COP 32 dB(A)**
Heat Pump	SEZ-A12AR	SEZ-A18AR	SEZ-A24AR

For details refer to: Pages 16

* For SEZ-A12AR
** SPL rated at low speed

Inverter Multi-split System

MXZ VA Series

MXZ-4A80VA

MXZ-3A54VA
MXZ-4A71VA

MXZ-2A52VA

MULTI-SPLIT INVERTER

MXZ VA Series:

- Many Combination Patterns to choose from
- Quiet Operation
- Energy-saving "Econo Cool"
- Compact Size Outdoor Unit
- Up to 7.1kW Indoor Unit Connection
- **Guaranteed performance down to -10°C**

Connect	2 indoor units	2 to 3 indoor units	2 to 4 indoor units	2 to 4 indoor units
Cool	5.2kW	5.4kW	7.1kW	8.0kW
Heat	6.4kW	6.8kW	8.6kW	9.4kW
Multi Split	MXZ-2A52VA	MXZ-3A54VA	MXZ-4A71VA	MXZ-4A80VA

For details of both outdoor units & indoor combo's refer to: Pages 17 - 19

Connectable Indoor Units:

Class (kW)	Equivalent models
2.2	MSZ-GA22VA
2.5	MSZ-FA25VA, MSZ-GA25VA, MFZ-KA25VA, SLZ-KA25VA(L)
3.5	MSZ-FA35VA, MSZ-GA35VA, MFZ-KA35VA, SEZ-KA35VA, SLZ-KA35VA(L)
5.0	MSZ-GA50VA, MFZ-KA50VA, SEZ-KA50VA, SLZ-KA50VA(L)
6.0	MSZ-GA60VA, SEZ-KA60VA
7.1	MSZ-GA71VA, PEA-RP71EA*, PLA-RP71AA*

* **Note**: The PEA-RP71EA, PLA-RP71AA can only be connected to the MXZ-8A140VA.

Inverter Power Multi-split System

MXZ-8A140VA

MXZ-8A140VA Power Multi:

- Many Combination Patterns to choose from
- 14.0kW (5HP) Inverter Multi-Split System
- High COP with advanced energy saving technology
- Silent Mode for more quiet operation
- Single phase power supply
- Connect up to 8 Indoor Units
- New 7.1kW Ducted with Hi Static Pressure Fan
- New 7.1kW Cassette for taller Ceilings
- **Guaranteed performance down to -10°C**

Connect	2 to 8 indoor units
Cool	14.0kW
Heat	16.0kW
Multi Split	MXZ-8A140VA

For details of both outdoor units & indoor combo's refer to: Pages 20 - 22

Energy Saving

Less Consumption, More Efficiency, and Extra Comfort - The Ideal Solution.

Inverter Technology

By controlling current frequency according to the desired temperature setting and outside air conditions, energy-efficient performance is assured. Frequency is lowered when less power is required to substantially reduce electricity consumption for a more economical operation. Providing you with more economy and comfort throughout the year, inverter control presents an ideal situation as it reduces compressor rotation speed when the air conditioning load is low so it's like using a small compressor with a large heat-exchange unit.

Concentrated Winding DC Motor Compressor (Linked Core Type)

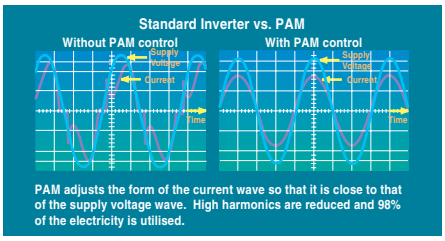
The newly developed concentrated winding DC motor (linked core type) is friendly to the environment as it uses less copper wiring than a conventional motor winding. This motor features a new high-density, concentrated winding method that raises motor efficiency to 96%.

Magnetic Flux Vector Sine Wave Drive

The compressor motor adopts sensor-less flux vector control that uses a 32-bit RISC (reduced instruction set computer) microprocessor. By converting the motor's electrical current waveform from the conventional waveform (120 conductance) to a sine wave (180 conductance), this microprocessor raises the motor winding utilization ratio and reduces energy loss for higher efficiency.

Simple Partial Switching Method PAM Control

Compared to the conventional active filter method, simple partial switching method PAM control found on the new models in the line-up reduces energy loss. When combined with vector control inverter, PAM control also allows for greater power and efficiency.


Standard Inverter vs. PAM
Without PAM control
With PAM control
Supply Voltage
Current
Time
Supply Voltage
Current
Time
PAM adjusts the form of the current wave so that it is close to that of the supply voltage wave. High harmonics are reduced and 98% of the electricity is utilised.

"Econo Cool" Energy-saving Feature*

This intelligent temperature control feature - that adjusts airflow interval to the body depending on air outlet temperature - allows set temperatures to be raised by 2 degrees without any loss in comfort for a 20% gain in energy efficiency.

* Available only during manual cooling operation.

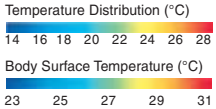
	Conventional	Econo Cool
Ambient Temperature	35°C	35°C
Set Temperature	25°C	27°C
Perceived Temperature	30°C	29.3°C

"Econo Cool" Mode

Ensures more comfort even when the set temperature is 2°C higher than the conventional cooling mode.

"Econo Cool" On

Conventional Cooling Mode

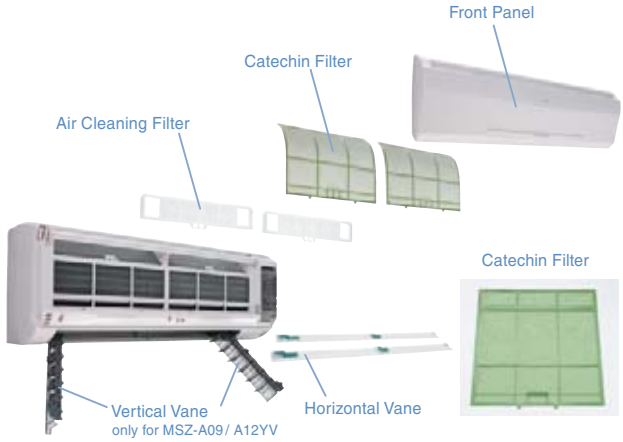


Clean, Comforting Air

A Fresh and Healthy Ambience is always yours to enjoy.

Healthy Catechin Filter

Catechin is a bioflavonoid that is found in green tea that has both antiviral and antioxidant qualities. In addition to these benefits, Catechin also offers excellent deodorising characteristics, which is why Mitsubishi Electric uses this compound in its air conditioner filters to not only improve air quality but to also prevent the spread of bacteria and viruses in the room. The filter can be easily removed and when washed regularly, deodorising effectiveness should last for more than 10 years. All wall-mounted models are supplied with the Catechin filter; the Two-way Floor-standing/Ceiling Suspended models use optional deodorising and air-cleaning filters.



Quick Clean Design (for MSZ-A09/A12YV & MSZ-FA25/35VA)

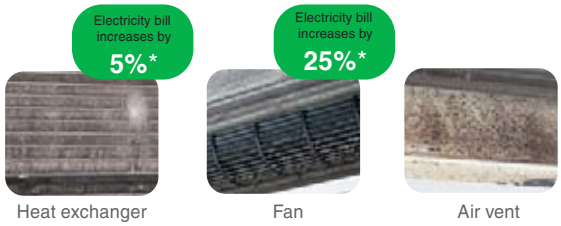
The easily detachable panel on the new YV models is a snap to wash and the airflow vents can be opened without any special tools for quick cleaning of the inside of the air conditioner. It is recommended that the air conditioner be cleaned regularly as this will increase both operating efficiency and energy-savings.

Open the vents and reach in to wipe clean the fan

Quick Clean Design reduces your electricity bill by approximately 30%*

Always clean the heat exchanger, fan, and air vent to ensure proper performance and economical operation.

* Electricity bill comparison of operation under fixed temperature with 8g of soil on the fan and one without. Based on internal company data.



Exclusive Quick Clean Kit (Optional)

The exclusive Quick Clean Kit can be easily connected to a household vacuum cleaner for quick, convenient cleaning of the heat exchanger and the fan*.

* It is highly recommended that rubber gloves be worn when cleaning the heat exchanger as touching it with your bare hands may lead to injury.

MAC-093SS-E

Operating Status Monitoring

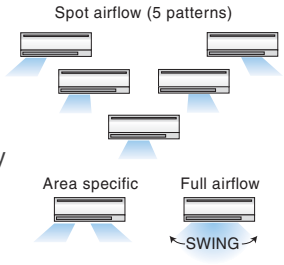
Monitor lamps located on the right of the indoor unit provide at-a-glance recognition of the air conditioners operating status. When the difference between the set temperature and room temperature is more than 2°C, both monitor lamps will turn on; if it is less than 2°C, only the left lamp will light.

Wide and Long Airflow (for MSZ-A18/24/26/30YV, MSH-A18/24/26/30WV)

Variable airflow patterns such as Wide and Long are especially beneficial for large rooms as they help to ensure that comforting air reaches every corner of the interior.

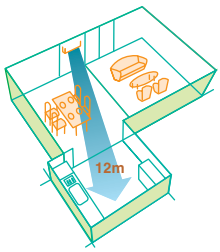
Wide Airflow

This extra wide-angle airflow system distributes air laterally up to 150° during heating and 100° during cooling. Simply press the Wide Swing icon on the remote controller to select the desired airflow from seven different patterns.



Long Airflow

Press the Long Airflow icon on the remote controller for an extended airflow that can reach up to 12 metres away from the unit.



Mitsubishi Electric Quality 3

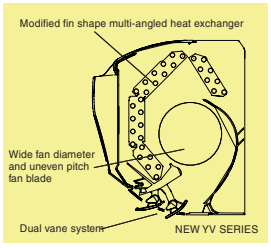
Soothing Quiet Operation

Hard at work yet so silent, you'll never notice it.

Less Noise, More Comfort

Noise level during normal operation is only 21dB(A) for the new MSZ-A09YV, making it one of the quietest indoor units available in the industry. Inside the unit, the multi-angled heat exchanger has a modified fin shape that reduces air resistance for a smoother, quieter airflow. As with current models, the wide fan diameter produces greater airflow at lower fan speeds and the uneven pitch between each fan blade helps to eliminate annoying noise. What's more, the remote controlled dual vane system significantly decreases downward air resistance for much lower noise levels.

MSZ-A09YV


Modified fin shape multi-angled heat exchanger
Wide fan diameter and uneven pitch fan blade
Dual vane system
NEW YV SERIES

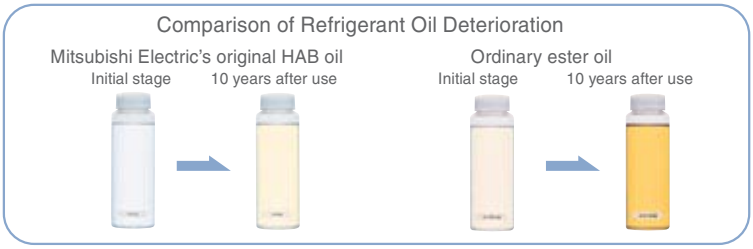
Mitsubishi Electric Quality 4

Easy Installation

Mitsubishi Electric's exclusive cleaning-free, Pipe-Reuse technology* makes replacement of existing air conditioners much easier.

Cleaning-Free, Pipe-Reuse Technology

The new HAB (Hard Alkyl Benzene) refrigerant oil is a unique oil originally developed by Mitsubishi Electric. Thanks to this new oil, the danger of chemical reaction with chlorine compound in existing pipe decreases. These benefits make it possible to reuse existing piping even when installing a new R410A model.



*Internal company data: test results equivalent to 10 years of actual use.

OTHER BENEFICIAL FEATURES

New Look, Flat Panel

The new YV models sport a brand-new look, which is so different from the existing wall-mounted types you are used to seeing. Unlike conventional models with a grilled air intake, these models feature a smooth contoured finish with a top air intake that not only improves aesthetics but also helps to reduce noise as the heat exchanger area is fully covered.

"I Feel" Control

Fuzzy-logic "I Feel" control offers extra convenience when setting desired temperatures as it memorises the choices you make on the "TOO WARM" or "TOO COOL" button via the remote control and recreates them precisely every time the unit is turned on.

Auto Change Over

When a desired temperature is reached, the air conditioner automatically switches between heating and cooling modes.

Auto Restart Function

Especially useful during sudden blackouts as the unit will turn back on automatically when power is restored. (Initial set: On).

24-Hour Timer

On/off operation can be set simultaneously in 10-minute increments for a 24-hour* period.

* Except for SLZ series with 12 Hour Timer

Auto Vane

The vane shuts automatically when the air conditioner is not operating to conceal the air outlet and create an aesthetically appealing flat surface.

Swing Mode

Automatically swings the vane for a more natural and comfortable airflow throughout the room.

Fresh Air Intake

Indoor air quality is enhanced by the direct intake of fresh exterior air.

Easy Installation

All Mitsubishi Electric air conditioners feature a flare connection to simplify installation.

Low Outside Temperature Cooling

Thanks to the outdoor unit's intelligent fan speed control, the inverter models perform well in cooling mode even when the outside temperature is down to -10°C. And of course, all models are capable of heating operation in the -10°C to 24°C temperature range.

Wide Cooling Temperature Range

Optimum cooling performance in a wide temperature range of 46° C to -10°C.

Air-Cleaning Filter

Catches dust particles and contaminants to keep the air fresh all the time. Under normal operating conditions, the air-cleaning filter should be replaced every four months. Use it with deodorising filter for optimum performance.

Self-diagnostic Function

LCD of indoor unit can indicate the status of trouble by variable flashing or indicator lights.

Compact Size for 2-by-2 Ceiling

The SLZ ceiling cassette series is designed to fit perfectly for 2-by-2 ceilings.

Low Height (Only 270mm)

The SEZ-AR Ceiling-concealed series is only 270mm in height.

MXZ Connection

These models can be connected to create one of the MXZ inverter multi-split systems.

2,500 hours Long Life Filter

Soft Starter installed in the Outdoor Unit

Anti Corrosion Treatment for Outdoor Unit

Inverter
MSZ-A YV Series

21 dB(A) MSZ-A09YV

All Heating at -10°C

Air Purification

WALL-MOUNTED

The MSZ-A YV Series: Inverter control provides you with greater energy savings.

The MSZ-A YV Series inverter air conditioner from Mitsubishi Electric, features highly effective air filters such as the Catechin type. This line-up also offers quieter operation and has a distinctively styled front panel that not only looks appealing but also helps to make cleaning of the unit easier.

The MSZ-A18 to 30YV models are designed for larger rooms requiring high capacity and energy efficient quick cooling or heating.

MSZ-A09 to A12YV
Dimensions (H x W x D): 278 x 815 x 244mm

MSZ-A18 to A30YV
Dimensions (H x W x D): 325 x 1,100 x 258mm

MSZ-A09YV (MSZ-A09YV + MUZ-A09YV)
Cooling Capacity: 2.5 (0.9~3.2) kW
Heating Capacity: 3.2 (0.9~5.0) kW

MSZ-A12YV (MSZ-A12YV + MUZ-A12YV)
Cooling Capacity: 3.5 (1.0~4.1) kW
Heating Capacity: 4.0 (0.9~6.0) kW

MSZ-A18YV (MSZ-A18YV + MUZ-A18YV)
Cooling Capacity: 5.0 (0.9~5.9) kW
Heating Capacity: 5.9 (0.9~7.8) kW

MSZ-A24YV (MSZ-A24YV + MUZ-A24YV)
Cooling Capacity: 6.0 (0.9~6.7) kW
Heating Capacity: 6.8 (0.9~8.1) kW

MSZ-A26YV (MSZ-A26YV + MUZ-A26YV)
Cooling Capacity: 7.1 (0.9~8.3) kW
Heating Capacity: 8.1 (0.9~9.6) kW

MSZ-A30YV (MSZ-A30YV + MUZ-A30YV)
Cooling Capacity: 8.0 (0.9~8.8) kW
Heating Capacity: 9.0 (0.9~11.0) kW

R410A

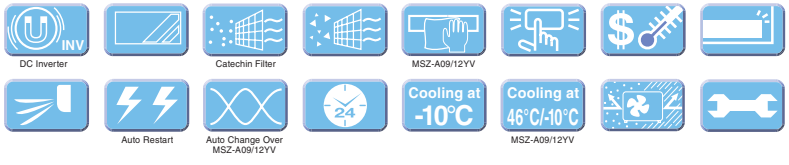
HEAT PUMP

DC Inverter

Infra Red Remote Controller

Cleaning-free, pipe reuse

MSZ-A18 to 30YV
WIDE & LONG



Outdoor Units

MUZ-A09/12YV

Dimensions (H x W x D): 550 x 800 x 285mm

MUZ-A18/24/26/30YV

Dimensions (H x W x D): 850 x 840 x 330mm

7 Day Timer
PAR-21MAA

NEW

MA REMOTE CONTROLLER

Introducing the Mitsubishi Electric 7 Day Timer

Wake up and come home to optimal temperatures whilst conserving energy!

The controller allows your system to be programmed to maintain optimal temperature levels during the standard times when you are likely to be in the room. In the periods where you are unlikely to be there (such as during work hours or sleep time), the temperature can be set back to a minimum holding temperature instead of turning the system completely off.

Turning a system on and off typically uses the most energy because the system has to heat a room starting from a very low temperature. By maintaining a minimum holding temperature Mitsubishi Electric inverter technology saves you energy as the temperature only needs to be raised by a couple of degrees.

Most air conditioning systems come with a 24 hour remote controller. This means that you can only set the system up to automatically turn on or off within a 24 hour period. This needs to be manually reactivated each time. The new Mitsubishi Electric 7 day controller allows you to program your compact floor console or deluxe inverter high wall with up to 8 separate Start/Stop patterns per day over a 7 day period.

For example:

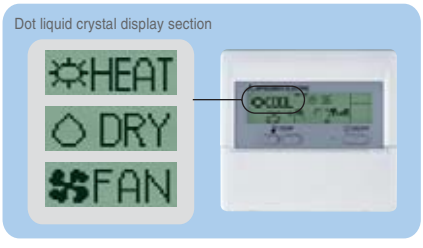
- Between 10pm till 6am set temperature back to 18°C
- Between 6am and 9am set temperature to 21°C
- Between 9am and 5.30pm set temperature back to18°C
- Between 5.30pm and 10pm set temperature to 21°C
- Between 10pm and 6am set temperature back to 18°C

Employment of Dot Liquid Crystal Display

New display.

Now with symbols and words!

The new clear and precise display is easy to understand for any user.



Display example [Operation mode]

Easy-to-read / Easy-to-use

Operation Control Function NEW

Limiting the set temperature range

Air conditioning operation always within a limited temperature range

The setting of the upper and lower limit temperature is possible. This prevents excessive cooling and heating leading to contribute in saving energy.

Auto off timer

Automatic turning off of air conditioning operation

The air conditioning operation can be switched off automatically thus preventing waste operation. The set time can be changed from 30 minutes to 4 hours at 30-minute intervals.

Operation locking

Preventing the random modification of setting

Two lock functions are available:

1. Lock all buttons.
2. Lock all buttons other than ON/OFF button.

Effective in energy saving control

Industry First! Multi-language Display

1st in the industry

Multi-language

8 languages can be displayed.

Display can be switched over for 8 kinds of language.

[English] COOL
[Spanish] FRÍO
[Italian] COOL
[German] Kühlen
[French] FROID
[Russian] Холод
[Chinese] 制冷
[Japanese] 冷房

Universal design

Inverter
MSZ-FA VA Series

21 dB(A) MSZ-FA25VA

All Heating at -10°C

Air Purification

DELUXE WALL-MOUNTED

Featuring the Plasma Duo Filter System, a slim-line design with unique retractable front panel and energy saving "i-see heat sensor".

Introducing the state-of-the-art range of Mitsubishi Electric Deluxe Inverter Air Conditioners, specifically designed to combat and reduce common household allergens and unpleasant odours. This is the all-out pursuit of real air quality that is so vital for asthma and allergy sufferers. The new energy saving "i-see sensor", leaves no temperature difference unnoticed, it automatically moves from side to side, searching out temperature disparities over a wide area of 150°. Thanks to this advanced sensing technology, all corners of even the most spacious rooms are kept at optimal temperatures.

Dimensions (H x W x D): 298 x 780 x 198mm

MSZ-FA25VA (MSZ-FA25VA + MUZ-FA25VA)
Cooling Capacity: 2.5 (0.9~3.2) kW
Heating Capacity: 3.2 (0.9~5.0) kW

MSZ-FA35VA (MSZ-FA35VA + MUZ-FA35VA)
Cooling Capacity: 3.5 (1.0~4.1) kW
Heating Capacity: 4.0 (0.9~6.0) kW

i-see Sensor

The new energy saving i-see mode searches out temperature differences and directs heat where you really need it.

Plasma Duo Filter Systems

Ideal for Asthma and Allergy sufferers.

R410A

HEAT PUMP

DC Inverter

F-INVERTER

Infra Red Remote Controller

Cleaning-free, pipe reuse

Optional*:
PAR-21MAA
7 Day Timer
*Requires MAC-3971F-E

For more information please see page 10

MXZ connection | Flat Panel | Compact & Slim Design

INV DC Inverter	AREA Area Setting with i-see	Plasma Deodorising Filter	Plasma Air Purifying Filter	AUTO VANE Horizontal & Vertical	SWING MODE Horizontal & Vertical	$	Quick Clean	
	Auto Restart	Auto Change Over	24	Weekly Timer Optional	Centralised ON / OFF Optional	Cooling at -10°C	Cooling at 46°C/-10°C	AUTO Front Panel

Outdoor Units

MUZ-FA25/35VA

Dimensions (H x W x D): 550 x 800 x 285mm

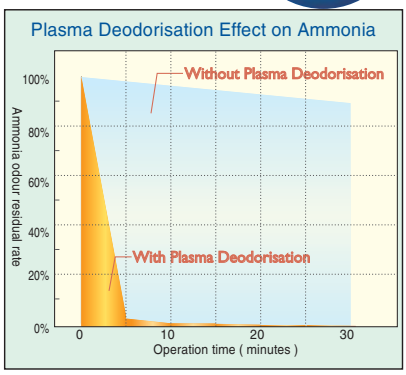
Plasma Duo Filter Systems

Introducing the state-of-the-art range of Mitsubishi Electric Deluxe Inverter Air Conditioners, specifically designed to combat and reduce common household allergens and unpleasant odours. This is the all-out pursuit of real air quality that is so vital for asthma and allergy sufferers.

Plasma Deodorising Filter

Only 2.2wh consumed
*1.1wh each for Plasma Deodorisation and Plasma Air Purification.

The newly equipped "Plasma Deodorising Filter" provides state-of-the-art deodorisation - decomposition and reduction of harmful chemical substances at the nano-level (1/1,000,000 of a millimetre). This is the key to high-power deodorisation of the most unpleasant odours*1 in daily life such as ammonia, methyl mercaptan, trimethylamine and hydrogen sulphide.



Plasma Air Purifying Filter

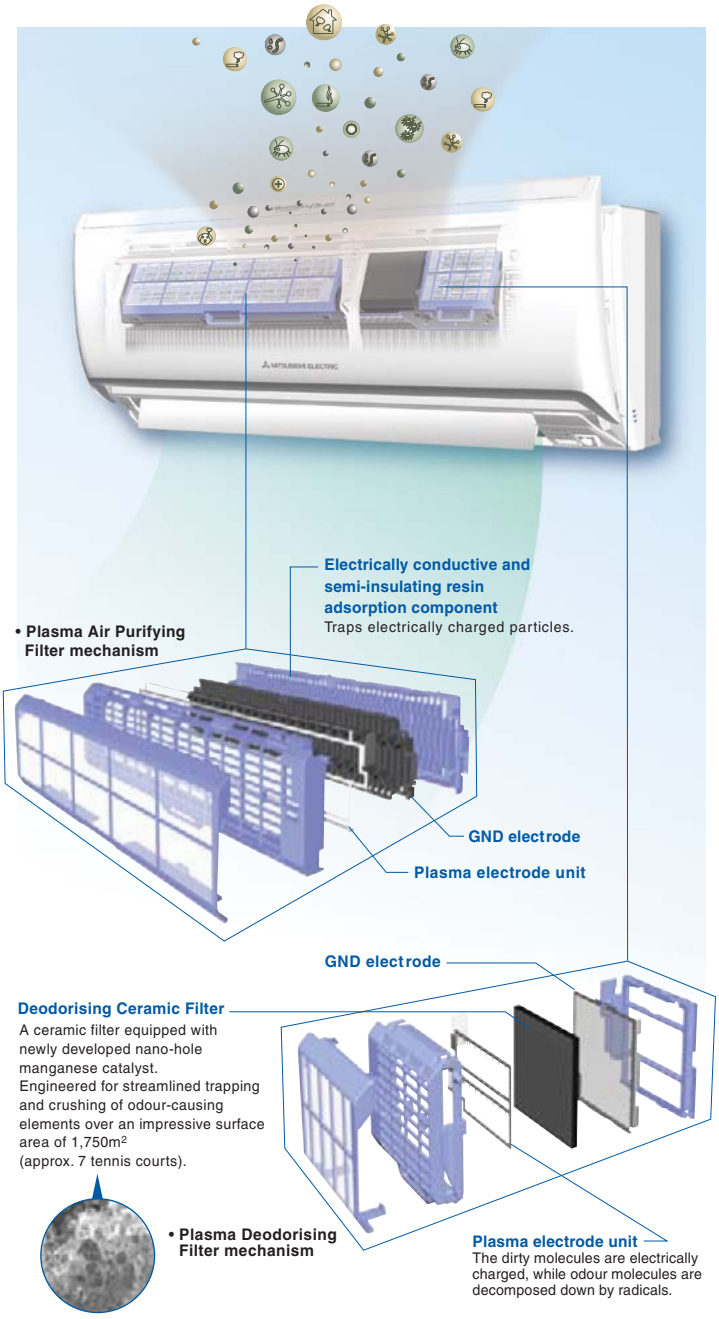
Armed with the "Plasma Air Purifying Filter," which has already built up a solid reputation in Japan, pollutants in the air are removed more thoroughly than ever before. Besides collection of fine dust, smoke, pollen and other allergy causing substances, this filter also provides disinfecting and anti-viral effects.*2 Negative ions, with their soothing and relaxing effects, are also generated.

*1: Not all odour components generated on a continuous basis (building material odours, pet odours) can be removed.
*2: Source: KRCES-Bio study Report No.16 00865 (November 22, 2004)

Maintenance is easy, just wash in water!

To care for both the Plasma Deodorising Filter and the Plasma Air Purifying Filter, just wash them in water.

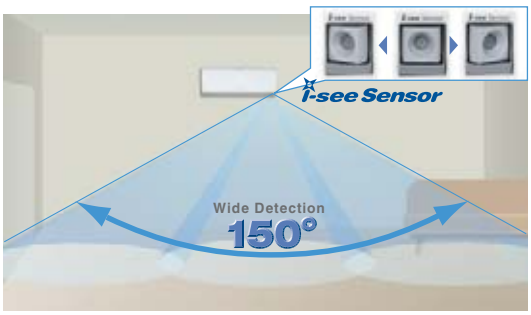
The deodorising ceramic filter, boasts a service life of about 6 years.


Electrically conductive and semi-insulating resin adsorption component
Traps electrically charged particles.
• Plasma Air Purifying Filter mechanism
GND electrode
Plasma electrode unit
GND electrode
Deodorising Ceramic Filter
A ceramic filter equipped with newly developed nano-hole manganese catalyst. Engineered for streamlined trapping and crushing of odour-causing elements over an impressive surface area of 1,750m²
(approx. 7 tennis courts).
• Plasma Deodorising Filter mechanism
Plasma electrode unit
The dirty molecules are electrically charged, while odour molecules are decomposed down by radicals.

i-see Sensor

The new moving "i see sensor", leaves no temperature difference unnoticed.

The moving "i see sensor" automatically moves from side to side, searching out temperature disparities over a wide area of 150°. Thanks to this advanced sensing technology, and the wide airflow of 150° from left to right (90° in cooling mode), all corners of even the most spacious rooms are kept at optimal temperatures.

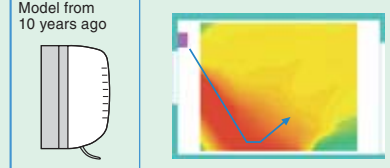
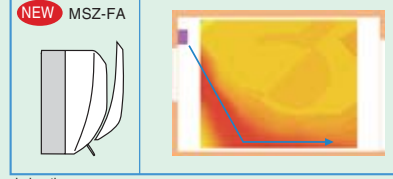
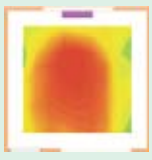


"Area Setting" - for waste-free, energy-saving heating and cooling.

In AREA mode, efficient heating or cooling is targeted where it is really needed - the right side, left side or the room as a whole. The sensor can also operate only on the selected side.

An improved "horizontal vane," for even more pleasant and refreshing airflow

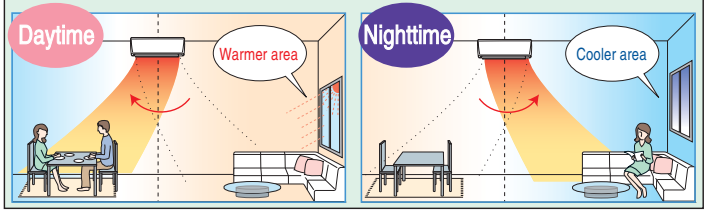
Advanced airflow control supported by a newly configured horizontal vane directs air at the floor level in heating mode. In cooling mode, the vane angle can be kept nearly horizontal, for a pleasant and refreshing feeling.

Airflow distribution comparisons	Vertical section / Outdoor temperature 7°C / room size 13.2m²	Horizontal section / Outdoor temperature 7°C / room size 13.2m²
Model from 10 years ago		
NEW MSZ-FA		

*in heating

In heating mode (with AREA setting : whole room)

Warm air is aimed at the cooler areas



Inverter
MFZ-KA VA Series

22 dB(A) MFZ-KA25VA

All Heating at -10°C

Air Purification

COMPACT FLOOR CONSOLE

The latest in Mitsubishi Electric innovation - Compact Floor Consoles. Innovative in design, rich in function.

The new range is specifically designed to discreetly sit at floor level or be recessed* into the wall and could replace traditional floor mounted heating appliances such as night-store heaters. The slim-line range features independently controllable upper and lower air outlets ensuring optimum air distribution to guarantee warm feet! A comprehensive deodorising and air purifying filter system will ensure healthier and cleaner air. All this is packed in a compact floor design with the whisper quiet performance that you have come to expect from Mitsubishi Electric.

Dimensions (H x W x D): 600 x 700 x 200mm

* Note: A PAR-21MAA Corded Remote Pack is required when recessing the Floor Console.

MFZ-KA25VA (MFZ-KA25VA + SUZ-KA25VA)
Cooling Capacity: 2.5 (0.9~3.4) kW
Heating Capacity: 3.4 (0.9~5.1) kW

MFZ-KA35VA (MFZ-KA35VA + SUZ-KA35VA)
Cooling Capacity: 3.5 (0.9~3.9) kW
Heating Capacity: 4.0 (0.9~6.2) kW

MFZ-KA50VA (MFZ-KA50VA + SUZ-KA50VA)
Cooling Capacity: 4.8 (0.9~5.4) kW
Heating Capacity: 6.0 (0.9~7.9) kW

R410A

HEAT PUMP

DC Inverter

Infra Red Remote Controller

Cleaning-free, pipe reuse

Optional*: PAR-21MAA 7 Day Timer
*Requires MAC-397IF-E

For more information please see page 10

MXZ connection

Compact Design

DC Inverter | isave | Catechin Filter | Anti-Allergy Enzyme Filter | AUTO VANE Horizontal | SWING MODE Horizontal | $ | VERTICAL AIR FLOW | | | Auto Restart | Auto Change Over | 24 | Weekly Timer Optional | Centralised ON / OFF Optional | Cooling at -10°C | Cooling at 46°C/-10°C | Failure Recall

Outdoor Units

SUZ-KA25/35VA

Dimensions (H x W x D): 550 x 800 x 285mm

SUZ-KA50VA

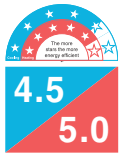
Dimensions (H x W x D): 850 x 840 x 330mm

Maximum Heat Output, Optimum Air Distribution

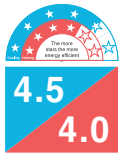
Perfect room temperatures at any time are realised through dual top and bottom air flow with thermostatically controlled vanes to eliminate cool drafts whilst heating. Mitsubishi Electric Inverter Control (unlike other brands) will allow maximum rated heat output indefinitely without the requirement to return to the nominal rated output. Optimum comfort conditions are guaranteed in the shortest period of time. This is vital when outdoor temperatures drop below freezing point or when the unit is first turned on.

Energy Ratings

2.5kW / 3.4kW
MFZ-KA25VA



3.5kW / 4.0kW
MFZ-KA35VA



4.8kW / 6.0kW
MFZ-KA50VA

i-save mode

A simplified set back function that recalls the preferred temperature setting with a single push of the button when you turn the unit off. For example if you leave the room, or you are going to bed, this button memorises your last setting. Press the same button again and you go back to the previous temperature setting in an instance. Take the guesswork out of deciding what your preferred temperature setting is with the i-save Mode.

Optional: Instant comfort at your fingertips with one single remote control

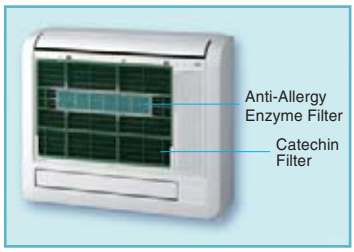
The optional wired remote controller* has a weekly timer function enabling 8 separate pattern settings throughout a single day. An optional "Centralised ON/OFF Controller" can also be incorporated to regulate all connected rooms in your home (and enabling ON/OFF selection and operation status confirmation from one single controller).

* requires special adaptor

Cleaner and Healthier Air

The combination of Catechin + Anti-Allergy Enzyme Filters ensure effective deodorisation, active filtering and the dramatic reduction of common allergens and bacteria. This is the key to cleaner and healthier air.

Elevating the pursuit of health-conscious air to unequalled heights. In addition to the "Catechin Filter" with deodorising effect, the "Anti-Allergy Enzyme Filter" traps dust mites and their droppings, pollen and other allergens on the filter filament, then decomposes them with artificial enzymes*2. What's more, a sterilising agent combats bacterial and viral effects, all in all supporting a cleaner and healthier air supply.



*2 : Confirmed by the Japan Spinners Inspecting Foundation. Test numbers 007715-1, 007715-2. *2 : Confirmed by Shinshu University.

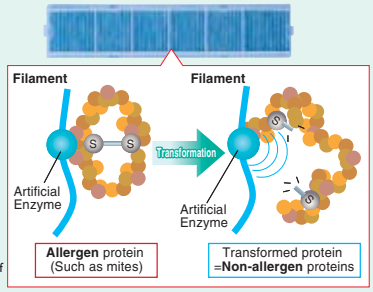
"Anti-Allergy Enzyme Filter" mechanism

① Artificial enzyme catalyst on the filament traps the allergens.

② The artificial enzyme catalyst helps the chemical reaction with Oxygen and severs the S-S bonds.*3

③ Proteins with severed S-S bonds are no longer allergen proteins.

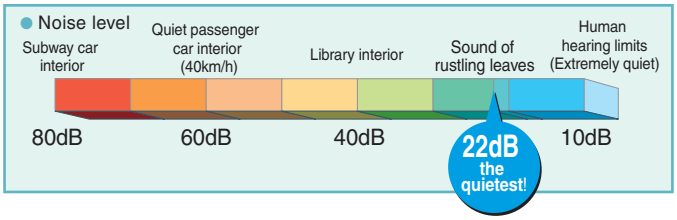
*3 : Mites and other allergen protein consist of sulphur atoms (S) that have bonded together.



Quiet Operation

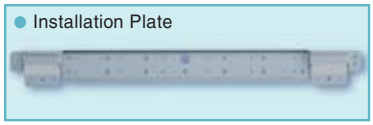
Mitsubishi Electric Heat Pumps have always had some of the quietest models available in the market. Our new compact floor range is no exception. At only 22dB, the noise emitted from the MFZ-KA25A can be compared to the sound of rustling leaves.

*4 : MFZ-KA25VA



Trouble-Free Installation and Maintenance

To install the indoor unit, position with our original installation plate, then set the unit in place. Easy levelling work prevents any harm to wall surfaces. Generous pipe length, up to 30 metres*5, eliminates worries about outdoor unit distance. Loaded with automatic diagnosis function, trouble log recall mode and other sophisticated aids, troubleshooting is immediate though problems are rare.



*5 : MFZ-KA50VA

Inverter
SLZ-KA VA(L) Series

All Heating at -10°C

Air Purification

2-BY-2 CEILING CASSETTE

The Perfect Size: Attractive, inconspicuous, and just right for 2-by-2 ceilings.

The SLZ-KA VA Series is perfect for both residential and small business applications as it offers Inverter Technology and quiet operation. The compact size of this range is ideal for 2-by-2 ceilings while the lightweight design helps to make installation easier and more convenient.

Dimensions (H x W x D): 208 x 570 x 570 mm
(Grille: 20 x 650 x 650mm)

SLZ-KA25VA(L) (SLZ-KA25VA(L) + SUZ-KA25VA)
Cooling Capacity: 2.5 (0.9~3.2) kW
Heating Capacity: 3.0 (0.9~4.5) kW

SLZ-KA35VA(L) (SLZ-KA35VA(L) + SUZ-KA35VA)
Cooling Capacity: 3.5 (1.0~3.9) kW
Heating Capacity: 4.0 (0.9~5.0) kW

SLZ-KA50VA(L) (SLZ-KA50VA(L) + SUZ-KA50VA)
Cooling Capacity: 4.6 (1.1~5.2) kW
Heating Capacity: 5.0 (0.9~6.5) kW

Note:
SLZ-KA~VAL : Includes Wireless Remote Controller.
SLZ-KA~VA : Includes Wired PAR-21MAA - 7 Day Timer.

R410A

HEAT PUMP

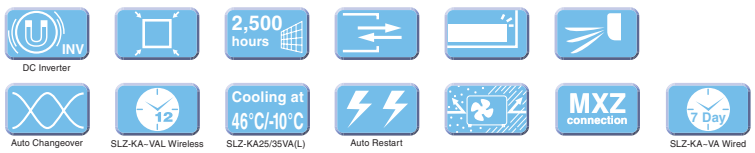
DC Inverter

SLZ-KA~VAL
Infra Red
Remote Controller

Cleaning-free, pipe reuse

SLZ-KA~VA*:
PAR-21MAA
7 Day Timer
*Requires MAC-397IF-E

For more information please see page 10



Outdoor Units

SUZ-KA25/35VA

Dimensions (H x W x D): 550 x 800 x 285mm

SUZ-KA50VA

Dimensions (H x W x D): 850 x 840 x 330mm

Inverter
SEZ-A AR Series

All Heating at -10°C

Air Purification

COMPACT CEILING-CONCEALED

Nice fit for Lowered Ceilings: Superbly economical operation thanks to Inverter control.

The low 270mm height of the SEZ-AR Series guarantees less installation hassle with optimum air conditioning efficiency and comfort. The outdoor unit, indoor unit and remote controller work together efficiently to make these units ideal for use in homes, offices, and hotels.

Dimensions (H x W x D): 270 x 1,100 x 700mm

SEZ-A12AR (SEZ-A12AR + SUZ-A12VR)
Cooling Capacity: 3.4 (1.0~3.8) kW
Heating Capacity: 3.9 (0.9~5.0) kW

SEZ-A18AR (SEZ-A18AR + SUZ-A18VR)
Cooling Capacity: 5.0 (1.1~5.6) kW
Heating Capacity: 5.9 (0.9~7.2) kW

SEZ-A24AR (SEZ-A24AR + SUZ-A24VR)
Cooling Capacity: 5.5 (1.1~6.3) kW
Heating Capacity: 6.9 (0.9~8.0) kW

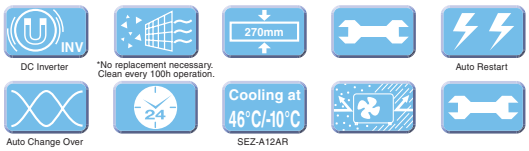
R410A

HEAT PUMP

DC Inverter

Wired
Remote Controller

Cleaning-free, pipe reuse



Outdoor Units

SUZ-A12VR

Dimensions (H x W x D): 550 x 800 x 285mm

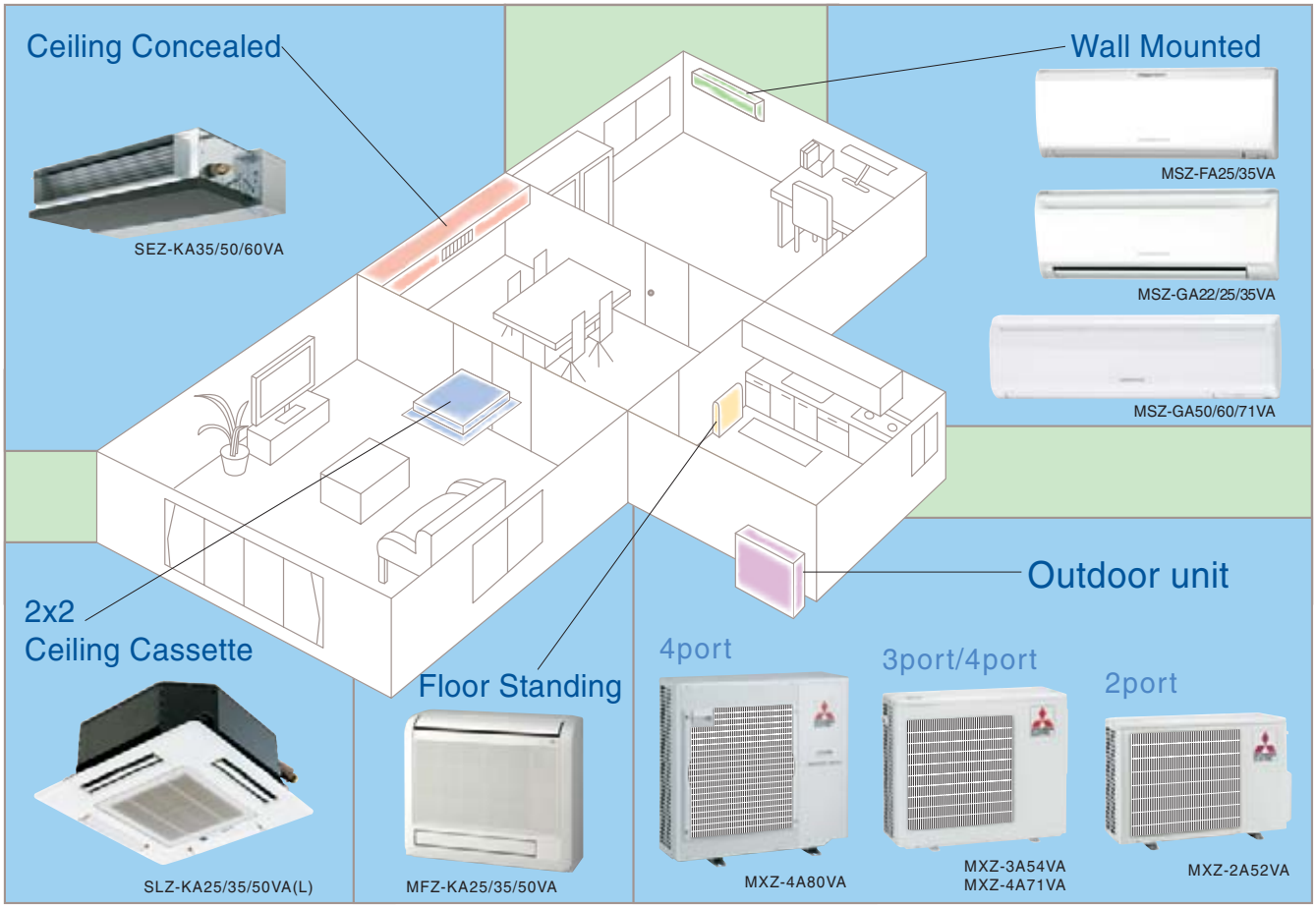
SUZ-A18/24VR

Dimensions (H x W x D): 850 x 840 x 330mm

Inverter Multi-Split System
MXZ VA Series

For space saving...
Multiple indoor units can be connected to a single outdoor unit!

Our Inverter Multi-Split system models are designed to allow several indoor units - regardless of capacity or type - to be connected to a single outdoor unit. This allows you to select the model best suited to each and every room in your home. The inverter Multi-Split system enhances exterior aesthetics by reducing the number of outdoor units necessary, while also providing you with an easy and economical way of adding indoor units at any time.

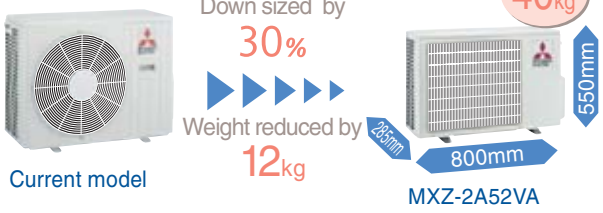


R410A

DC Inverter

Cleaning-free, pipe reuse

Compact Outdoor Units



Compact Outdoor Unit Saves Space

MXZ series outdoor units can connect to 2, 3 or 4 indoor units, optimising use of outdoor space and enhancing exterior aesthetics.

Select From a Wide Range of Stylish Indoor Units

The key to attractive installation and optimum indoor dimension use. Select the best-suited model from 17 models in 4 types: Wall Mounted, Floor Standing, Ceiling Concealed, and Ceiling Cassette.

	Wall Mounted								Floor Standing			Ceiling Concealed			Ceiling Cassette		
	MSZ-FA		MSZ-GA						MFZ-KA			SEZ-KA			SLZ-KA		
	25	35	22	25	35	50	60	71	25	35	50	35	50	60	25	35	50
MXZ-2A52VA	●	●	●	●	●				●	●		●			●	●	
MXZ-3A54VA	●	●	●	●	●	●			●	●	●	●	●		●	●	●
MXZ-4A71VA	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
MXZ-4A80VA	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

All Heating at -10°C

Air Purification

A Variety of Indoor Units, Consisting of 17 Models in 5 Series

Energy Saving with High COP

Thanks to the Inverter Technology, we have a higher energy efficiency COP: 4.56 (MXZ-4A80VA in Heating) for your maximum efficiency.

COP 4.56

Quiet Operation (Silent mode)*

With the MXZ outdoor unit, the operating noise (outdoor) is just 44*dB (MXZ-3A54/4A80 in cooling). In combination with the MSZ-FA25VA or MSZ-GA22/25VA, indoor noise can also be reduced to a quiet 21dB.

*Silent mode needs to be set when installed.

Indoor Only 21 dB(A)

Outdoor Only 44 dB(A)

7 Day Timer (Optional for Indoor Units)

The optional wired remote controller PAR-21MAA* with Weekly Timer function enables 8 separate Start/Stop pattern settings over a single day. Use the optional Centralised On/Off Controller (MAC-821SC-E*) to regulate all rooms. On/Off selection and operation status confirmation is possible with a single controller.

*Requires optional interface (MAC-397IF-E)

PAR-21MAA-G

MAC-821SC-E

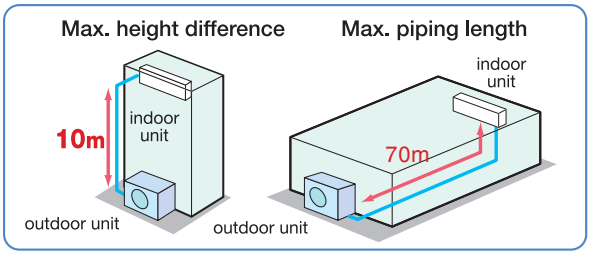
Fix Operation Mode

It is possible to set a "Fix operation mode" to lock operation to 'Heating' or 'Cooling' mode. This is convenient in places such as Rental Properties or Hotels.

Longer Piping Length

Piping is extendible up to 70* metres in length and 10 metres in height (additional refrigerant charge may be required).

*MXZ-4A80VA



Operation in Low Outdoor Conditions

Both cooling and heating operation are possible even in winter with an outdoor temperature of -10°C. Cooling is beneficial for areas such as Conference Rooms or Schools, even in winter temperatures of -10°C.

Floor Standing

Wall Mounted

Ceiling Concealed

2x2 Ceiling Cassette

Connectable Indoor Unit Specifications for MXZ VA Series

ALL R410A

MSZ-FA Series Wall Mounted

Model Name				MSZ-FA25VA	MSZ-FA35VA
Rated Capacity Cooling (Heating)			kW	2.5 (3.6)	3.5 (4.0)
Pipe Size (Liquid / Gas)			mm	6.35 / 9.52	6.35 / 9.52
Air Flow	Cooling	[Low-Hi-SH*]	L/s	70 - 132 - 165	72 - 132 - 165
	Heating			73 - 138 - 170	77 - 138 - 170
Sound Level		[Low-Hi-SH*]	dB (A)	21 - 36 - 42	22 - 36 - 42
Dimensions		H	mm	298	298
		W	mm	780	780
		D	mm	198	198
Weight			kg	10	10

*SH = Super High

MSZ-GA Series Wall Mounted

Model Name				MSZ-GA22VA	MSZ-GA25VA	MSZ-GA35VA	MSZ-GA50VA	MSZ-GA60VA	MSZ-GA71VA
Rated Capacity Cooling (Heating)			kW	2.2 (3.3)	2.5 (3.6)	3.5 (4.0)	5.0 (7.2)	6.0 (7.9)	7.1 (8.6)
Pipe Size (Liquid / Gas)				6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	6.35 / 15.88
Air Flow	Cooling	[Low-Hi-SH*]	L/s	65 - 133 - 167	65 - 133 - 167	68 - 133 - 167	138 - 237	145 - 287	157 - 287
	Heating			72 - 140 - 175	72 - 140 - 175	75 - 140 - 175			
Sound Level		[Low-Hi-SH*]	dB (A)	21 - 36 - 43	21 - 36 - 43	22 - 36 - 43	31 - 48	32 - 54	33 - 54
Dimensions		H	mm	298	298	298	325	325	325
		W	mm	780	780	780	1,100	1,100	1,100
		D	mm	210	210	210	258	258	258
Weight			kg	9	9	9	16	16	16

*SH = Super High

MFZ-KA Series Floor Standing

Model Name				MFZ-KA25VA	MFZ-KA35VA	MFZ-KA50VA
Rated Capacity Cooling (Heating)			kW	2.5 (3.6)	3.5 (4.0)	5.0 (7.2)
Pipe Size (Liquid / Gas)			mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
Air Flow	Cooling	[Low-Hi-SH*]	L/s	80 - 118 - 145	83 - 123 - 152	118 - 153 - 178
	Heating			83 - 127 - 152	87 - 130 - 158	123 - 163 - 197
Sound Level	Cooling	[Low-Hi-SH*]	dB (A)	22 - 32 - 37	23 - 33 - 38	32 - 39 - 43
	Heating				25 - 33 - 38	32 - 39 - 44
Dimensions		H	mm	600	600	600
		W	mm	700	700	700
		D	mm	200	200	200
Weight			kg	14	14	14

*SH = Super High

SEZ-KA Series Ceiling Concealed

Model Name			SEZ-KA35VA*	SEZ-KA50VA*	SEZ-KA60VA*
Rated Capacity Cooling (Heating)		kW	3.5 (4.0)	5.0 (7.2)	6.0 (7.9)
Pipe Size (Liquid / Gas)		mm	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88
Air Flow	[Low-Hi]	L/s	167 - 217	200 - 283	200 - 333
Static Pressure		Pa	Std:30, Max:50	Std:30, Max:50	Std:30, Max:50
Sound Level	[Low-Hi]	dB (A)	30 - 35	31 - 39	32 - 43
Dimensions	H	mm	270	270	270
	W	mm	1,100	1,100	1,100
	D	mm	700	700	700
Weight		kg	33.5	33.5	33.5

*SEZ-KA**VA : Includes PAR-21MAA - 7 Day Wall Controller.

SLZ-KA Series Ceiling Cassette

Model Name				SLZ-KA25VA(L)*	SLZ-KA35VA(L)*	SLZ-KA50VA(L)*
Rated Capacity Cooling (Heating)			kW	2.5 (3.6)	3.5 (4.0)	5.0 (7.2)
Pipe Size (Liquid / Gas)			mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
Air Flow		[Low-Hi]	L/s	133 - 167	133 - 183	133 - 183
Sound Level		[Low-Hi]	dB (A)	28 - 37	29 - 38	30 - 39
Dimensions		H	mm	208	208	208
		W	mm	570	570	570
		D	mm	570	570	570
	Panel	H x W x D	mm	20 x 650 x 650	20 x 650 x 650	20 x 650 x 650
Weight		Unit (Panel)	kg	16.5 (3)	16.5 (3)	16.5 (3)

*SLZ-KA**VAL : Includes Wireless Remote Controller.
*SLZ-KA**VA : Includes PAR-21MAA - 7 Day Wall Controller.

Connectable Indoor Units

Class (kW)	Equivalent models
2.2	MSZ-GA22VA
2.5	MSZ-FA25VA, MSZ-GA25VA, MFZ-KA25VA, SLZ-KA25VA(L)
3.5	MSZ-FA35VA, MSZ-GA35VA, MFZ-KA35VA, SEZ-KA35VA, SLZ-KA35VA(L)
5.0	MSZ-GA50VA, MFZ-KA50VA, SEZ-KA50VA, SLZ-KA50VA(L)
6.0	MSZ-GA60VA, SEZ-KA60VA
7.1	MSZ-GA71VA

Indoor / Outdoor Selection Table

Connectable indoor unit combinations. ***Note:*** There is no other combinations other than these tables.

MXZ-2A52VA
22+22
22+25
22+35
25+25
25+35
35+35

MXZ-3A54VA
22+22
22+25
22+35
22+50
25+25
25+35
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22+25+50
22+35+35
25+25+25
25+25+35
25+25+50
25+35+35

MXZ-4A71VA
22+22
22+25
22+35
22+50
22+60
25+25
25+35
25+50
25+60
35+35
35+50
35+60
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MXZ-4A71VA
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MXZ-4A80VA
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22+35
22+50
22+60
22+71
25+25
25+35
25+50
25+60
25+71
35+35
35+50
35+60
35+71
50+50
50+60
50+71
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MXZ-4A80VA
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22+50+50
22+50+60
22+50+71
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35+35+60
35+35+71
35+50+50
35+50+60
22+22+22+22
22+22+22+25
22+22+22+35
22+22+22+50
22+22+22+60

MXZ-4A80VA
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22+22+25+25
22+22+25+35
22+22+25+50
22+22+25+71
22+22+35+35
22+22+35+50
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25+25+25+35
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25+35+35+35
35+35+35+35

	Wall Mounted								Floor Standing			Ceiling Concealed			Ceiling Cassette		
	MSZ-FA		MSZ-GA						MFZ-KA			SEZ-KA			SLZ-KA		
	25	35	22	25	35	50	60	71	25	35	50	35	50	60	25	35	50
MXZ-2A52VA	●	●	●	●	●				●	●		●			●	●	
MXZ-3A54VA	●	●	●	●	●	●			●	●	●	●	●		●	●	●
MXZ-4A71VA	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
MXZ-4A80VA	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

For detailed Indoor / Outdoor Selection Tables please visit: **www.bdt.co.nz/aircon**

Outdoor Unit Specifications

MXZ VA Series Inverter Multi-Split Outdoor Units (R410A)

TYPE			Inverter Multi-Split System Outdoor Units			
MODEL NAME			MXZ-2A52VA	MXZ-3A54VA	MXZ-4A71VA	MXZ-4A80VA
INDOOR COMBINATION			2 Indoor Units	2 to 3 Indoor Units	2 to 4 Indoor Units	2 to 4 Indoor Units
COOL	Capacity	[kW]	5.2	5.4	7.1	8.0
	Min-Max	[kW]	1.1 - 6.0	2.9 - 6.8	3.7 - 8.8	3.7 - 9.2
	Input	[kW]	1.505	1.295	1.930	2.190
	COP (In + out)		3.31	3.87	3.44	3.45
	Sound Level (Silent/High)	[dB(A)]	45 - 49	44 - 46	45 - 48	44 - 46
	Rated Current (Out)	[A]	6.75	5.69	8.48	9.62
	Max Current	[A]	10.2	16.4	16.4	17.4
	Air Volume (High)	[L/s]	548	702	702	703
HEAT	Capacity	[kW]	6.4	6.8	8.6	9.4
	Min-Max	[kW]	1.0 - 7.2	2.6 - 9.0	3.4 - 9.0	3.4 - 11.6
	Input	[kW]	1.705	1.455	1.950	1.930
	COP (In + out)		3.61	4.38	4.13	4.56
	Sound Level (Silent/High)	[dB(A)]	48 - 50	47 - 48	48 - 50	46 - 48
	Rated Current (Out)	[A]	7.64	6.39	8.56	8.48
	Max Current	[A]	10.2	16.4	16.4	17.4
	Air Volume (High)	[L/s]	555	686	775	730
Max. Total Capacity of all indoor units		[kW]	7.0	10.0	12.5	14.5
Power Supply.		[V,Phase,Hz]	230, single, 50, Outdoor Power Supply			
OUTDOOR	Dimension (HxWxD)	[mm]	640 x 840 x 330	900 x 900 x 320	900 x 900 x 320	900 x 900 x 320
	Weight	[kg]	40	57	58	70
EXT. PIPE	Liquid (diameter)	[mm]	6.35 x 2	6.35 x 3	6.35 x 4	6.35 x 4
	Gas (diameter)	[mm]	9.52 x 2	9.52 x 3	9.52 x 3 + 12.7 x 1	9.52 x 3 + 12.7 x 1
	Max. Length (Total/Each)	[m]	30 - 20	50 - 25	60 - 25	70 - 25
	Max. Height	[m]	15 (10*)	15 (10*)	15 (10*)	10
OPERATION RANGE	Cooling	[°C]	-10 / +43	-10 / +43	-10 / +43	-10 / +43
	Heating	[°C]	-10 / +24	-10 / +24	-10 / +24	-10 / +24

Note: Running Current and Power Input figures are for outdoor unit only.

Rating Conditions (AS / NZS 3823)
Cooling — Indoor: 27°C DB, 19°C WB Outdoor: 35°C
Heating — Indoor: 20°C DB Outdoor: 7°C DB, 6°C WB

† Maximum length is inclusive of height differential.
i.e. (30 max. length / 15 max. height) means that 2x pipes can be 10m high and 5m across each for a total length of 30m.

* If the outdoor unit is installed higher than the indoor unit, max. height is reduced to 10m.

Inverter Multi-Split System
MXZ-8A140VA

All Heating at -10°C

Air Purification

The New Power Multi Provides a Quiet, Highly Efficient and Flexible Air Conditioning System for All Your Air Conditioning Needs

The MXZ-8A140VA Power Multi is a new addition to Mitsubishi Electric's popular Inverter Multi series air conditioning systems. The powerful yet silent Power Multi has been specifically designed for homes or small offices, and with a long list of features, to give you the best comfort level for any room.

For Offices

Suggestion for indoor unit selection

The SLZ-KA Cassette units are 600 x 600 to install into half ceiling tiles.

For larger areas the PLA-RP Cassette is installed.

Cassette units have 4 outlets that can be adjusted to give better room comfort

For Homes

Suggestion for indoor unit selection

For a large living room, the SEZ-KA Ceiling Concealed or the MFZ-KA Compact Floor Standing type easily match your interior.

For a bed room, the Wall Mounted type creates a quiet atmosphere for sleeping.

High COP

The latest technology obtained through the development of our well-reputed Power Inverter series offers the higher COP of 3.52 in Cooling* / 3.91 in Heating*.

*When connected with 3x MSZ-GA60VA indoor units.

Easy Installation

We have worked hard to make the Power Multi as easy to install and maintain as possible. The branch box simplifies the piping work, providing only one pair of pipes to be installed from the outdoor unit inside to the branch box.

Silent Operation

The Power Multi runs so smooth and quiet, you get comfort with very little noise. Under low operating load, the "Low-noise" mode will automatically be selected thus providing more silent operation. Connecting with our latest wall mounted indoor units creates a silent and comfortable space where the occupants would not even hear the air conditioner operating.

Flexible Choice of Indoor Unit

You can choose an indoor unit optimum for the application, interior and size of your room from the versatile product line of 19 models in 7 Series.

Inverter Multi-Split System
MXZ-8A140VA

All Heating at -10°C

Air Purification

New to the range of Multi systems

Large Ducted and Cassette Indoor units with a Cooling capacity of 7.1kw Cooling.

The PEA-RP71EA Ducted Indoor has the ability to cover a larger area with a Hi Static Pressure Fan for the installation of more ductwork to provide a more comfortable working environment.

The PLA-RP71AA Cassette Indoor can be installed in a Larger area with a ceiling height up to 4.2 Metres.

Both of these units also come complete with the 7 Day Timer Wall Controller.

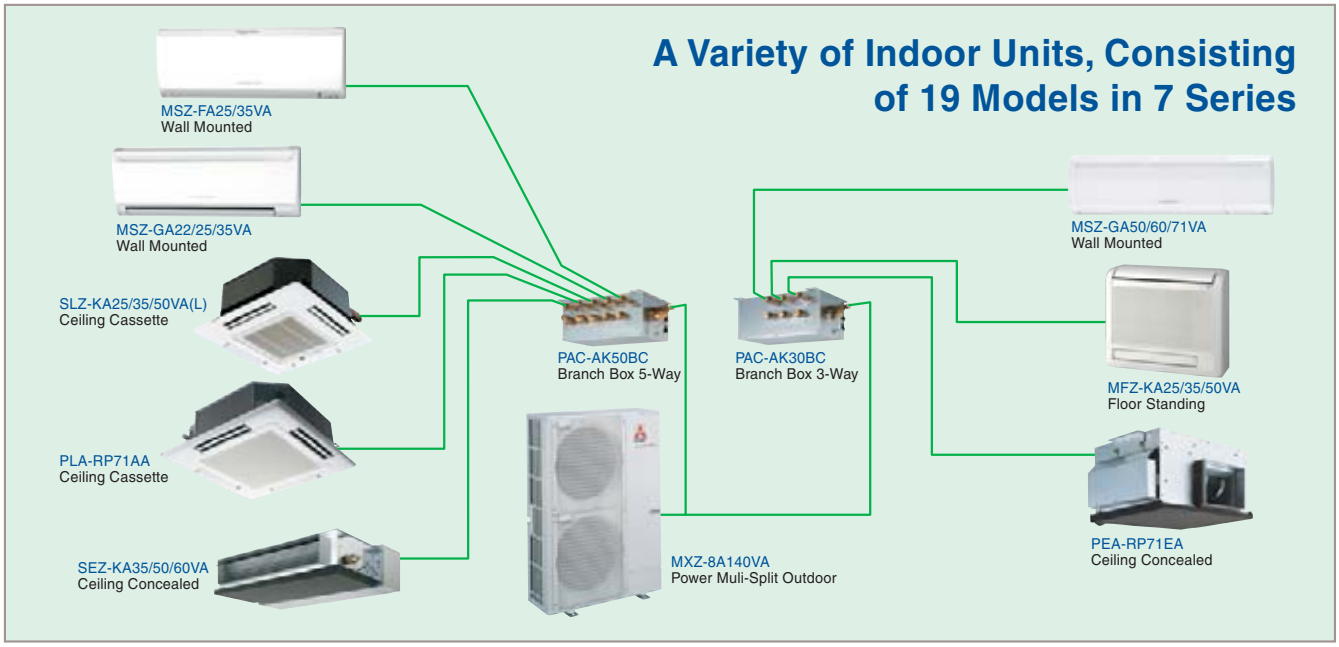
High Static Pressure (125Pa)
PEA-RP71EA

- High Ceiling Mode
- Fresh Air Intake

PLA-RP71AA

- 72 Airflow Patterns
- Hot Start
- High Ceiling Mode
- Fresh Air Intake

A Variety of Indoor Units, Consisting of 19 Models in 7 Series



MXZ-8A140VA Inverter Power Multi-Split

- 14.0kW (5HP) Inverter Multi-Split System
- High COP with advanced energy saving technology
- Silent Mode for more quiet operation
- R410A refrigerant
- Single phase power supply

R410A

DC Inverter

Cleaning-free, pipe reuse

Procedures for Selection

Basic Conditions:

1. Number of indoor units: **2 to 8 units**
2. Total indoor unit capacity: **4.4 to 18.5 kW**
3. Number of branch box: **1 to 2 units**

4.

Number of branch box used	Number of distribution pipe required
1 branch box	Not required
2 branch boxes	1 distribution pipe required

Indoor Unit Selection:

Type of the indoor unit	Series name	Capacity Class					
		2.2kw	2.5kw	3.5kw	5.0kw	6.0kw	7.1kw
Wall Mounted	MSZ-FA : Deluxe		●	●			
	MSZ-GA : Standard	●	●	●	●	●	●
Ceiling Concealed	SEZ-KA : Compact			●	●	●	
	PEA-RP : High Static (125Pa)						●
Ceiling Cassette	SLZ-KA : 600X600 Compact		●	●	●		
	PLA-RP : Power Cassette						●
Floor Standing	MFZ-KA : Compact		●	●	●		

System Capacity Calculation:

Method for obtaining system capacity

To obtain the system capacity, first add up the ratings of all the indoor units connected and then find the standard capacity with the help of the figures below. The unit's quantities are limited in 2 to 8 units. Make sure that the total rated capacity selected will stay in a range of 4.4 ~ 18.5kW.

SEZ-KA35VA = 3.5 kw
SEZ-KA50VA = 5.0 kw
MSZ-GA25VA x 4 = 2.5 x 4 = 10.0 kw

Total rated capacity 18.5 ≦ 18.5kW

Connectable Indoor Unit Specifications for MXZ-8A140VA

ALL R410A

MSZ-FA Series Wall Mounted

Model Name				MSZ-FA25VA	MSZ-FA35VA
Rated Capacity Cooling (Heating)			kW	2.5 (3.6)	3.5 (4.0)
Pipe Size (Liquid / Gas)			mm	6.35 / 9.52	6.35 / 9.52
Air Flow	Cooling	[Low-Hi-SH*]	L/s	70 - 132 - 165	72 - 132 - 165
	Heating			73 - 138 - 170	77 - 138 - 170
Sound Level		[Low-Hi-SH*]	dB (A)	21 - 36 - 42	22 - 36 - 42
Dimensions		H	mm	298	298
		W	mm	780	780
		D	mm	198	198
Weight			kg	10	10

*SH = Super High

MSZ-GA Series Wall Mounted

Model Name				MSZ-GA22VA	MSZ-GA25VA	MSZ-GA35VA	MSZ-GA50VA	MSZ-GA60VA	MSZ-GA71VA
Rated Capacity Cooling (Heating)			kW	2.2 (3.3)	2.5 (3.6)	3.5 (4.0)	5.0 (7.2)	6.0 (7.9)	7.1 (8.6)
Pipe Size (Liquid / Gas)				6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	6.35 / 15.88
Air Flow	Cooling	[Low-Hi-SH*]	L/s	65 - 133 - 167	65 - 133 - 167	68 - 133 - 167	138 - 237	145 - 287	157 - 287
	Heating			72 - 140 - 175	72 - 140 - 175	75 - 140 - 175			
Sound Level		[Low-Hi-SH*]	dB (A)	21 - 36 - 43	21 - 36 - 43	22 - 36 - 43	31 - 48	32 - 54	33 - 54
Dimensions		H	mm	298	298	298	325	325	325
		W	mm	780	780	780	1,100	1,100	1,100
		D	mm	210	210	210	258	258	258
Weight			kg	9	9	9	16	16	16

*SH = Super High

MFZ-KA Series Floor Standing

Model Name				MFZ-KA25VA	MFZ-KA35VA	MFZ-KA50VA
Rated Capacity Cooling (Heating)			kW	2.5 (3.6)	3.5 (4.0)	5.0 (7.2)
Pipe Size (Liquid / Gas)			mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
Air Flow	Cooling	[Low-Hi-SH*]	L/s	80 - 118 - 145	83 - 123 - 152	118 - 153 - 178
	Heating			83 - 127 - 152	87 - 130 - 158	123 - 163 - 197
Sound Level	Cooling	[Low-Hi-SH*]	dB (A)	22 - 32 - 37	23 - 33 - 38	32 - 39 - 43
	Heating				25 - 33 - 38	32 - 39 - 44
Dimensions		H	mm	600	600	600
		W	mm	700	700	700
		D	mm	200	200	200
Weight			kg	14	14	14

*SH = Super High

PEA-RP Series Ceiling Concealed

Model Name			PEA-RP71EA*
Rated Capacity Cooling (Heating)		kW	7.1 (8.6)
Pipe Size (Liquid / Gas)		kW	6.35 / 15.88
Air Flow	[Low-Hi]	L/s	367 - 450
Static Pressure		Pa	125
Sound Level	[Low-Hi]	dB (A)	52 - 55
Dimensions	H	mm	428
	W	mm	785
	D	mm	690
Weight		kg	46

*PEA-RP**EA : Includes PAR-21MAA - 7 Day Wall Controller.

PLA-RP Series Ceiling Cassette

Model Name			PLA-RP71AA*
Rated Capacity Cooling (Heating)		kW	7.1 (8.6)
Pipe Size (Liquid / Gas)		kW	6.35 / 15.88
Air Flow	[Low-Hi]	L/s	250 - 333
Sound Level	[Low-Hi]	dB (A)	28 - 34
Dimensions	H	mm	258
	W	mm	840
	D	mm	840
Panel	H x W x D	mm	30 x 950 x 950
Weight	Unit (Panel)	kg	24 (5)

*PLA-RP**AA : Includes PAR-21MAA - 7 Day Wall Controller.
*PLA-RP**AA : (**Optional**) Wireless Remote Controller.

SEZ-KA Series Ceiling Concealed

Model Name				SEZ-KA35VA*	SEZ-KA50VA*	SEZ-KA60VA*
Rated Capacity Cooling (Heating)			kW	3.5 (4.0)	5.0 (7.2)	6.0 (7.9)
Pipe Size (Liquid / Gas)			mm	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88
Air Flow		[Low-Hi]	L/s	167 - 217	200 - 283	200 - 333
Static Pressure			Pa	Std:30, Max:50	Std:30, Max:50	Std:30, Max:50
Sound Level		[Low-Hi]	dB (A)	30 - 35	31 - 39	32 - 43
Dimensions		H	mm	270	270	270
		W	mm	1,100	1,100	1,100
		D	mm	700	700	700
Weight			kg	33.5	33.5	33.5

*SEZ-KA**VA : Includes PAR-21MAA - 7 Day Wall Controller.

SLZ-KA Series Ceiling Cassette

Model Name				SLZ-KA25VA(L)*	SLZ-KA35VA(L)*	SLZ-KA50VA(L)*
Rated Capacity Cooling (Heating)			kW	2.5 (3.6)	3.5 (4.0)	5.0 (7.2)
Pipe Size (Liquid / Gas)			mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
Air Flow		[Low-Hi]	L/s	133 - 167	133 - 183	133 - 183
Sound Level		[Low-Hi]	dB (A)	28 - 37	29 - 38	30 - 39
Dimensions		H	mm	208	208	208
		W	mm	570	570	570
		D	mm	570	570	570
	Panel	H x W x D	mm	20 x 650 x 650	20 x 650 x 650	20 x 650 x 650
Weight		Unit (Panel)	kg	16.5 (3)	16.5 (3)	16.5 (3)

*SLZ-KA**VAL : Includes Wireless Remote Controller.
*SLZ-KA**VA : Includes PAR-21MAA - 7 Day Wall Controller.

PAC-AK**BC Branch Boxes

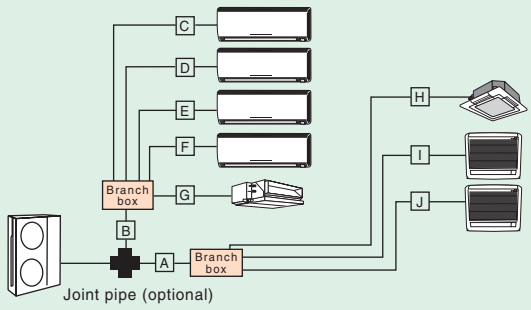
Type				Branch Box	
Model Name				PAC-AK50BC	PAC-AK30BC
Connectable Number of Indoor Units				Max. 5	Max. 3
Power Supply [Source, V, Phase, Hz]				from Outdoor Unit, 220 / 230 / 240, single, 50	
Power Input			kW	0.003	0.003
Running Current			A	0.05	0.05
Drain Hose* Size			mm	O.D. 20 (VP-16)	
Dimensions [HxWxD]			mm	198x450x280	
Weight			kg	9.3	8.1
Piping [diameter]	Branch [Indoor side]	Liquid	mm	6.35x5	6.35x3
		Gas	mm	9.52x4, 12.7x1	9.52x3
	Main [Outdoor side]	Liquid	mm	9.52	9.52
		Gas	mm	15.88	15.88
	Connection Method			Flared	Flared
Wiring	to Indoor Unit			3-wire + Earth wire	
	to Outdoor Unit			3-wire + Earth wire	

*To be locally purchased

Connectable Indoor Units

Class (kW)	Equivalent models
2.2	MSZ-GA22VA
2.5	MSZ-FA25VA, MSZ-GA25VA, MFZ-KA25VA, SLZ-KA25VA(L)
3.5	MSZ-FA35VA, MSZ-GA35VA, MFZ-KA35VA, SEZ-KA35VA, SLZ-KA35VA(L)
5.0	MSZ-GA50VA, MFZ-KA50VA, SEZ-KA50VA, SLZ-KA50VA(L)
6.0	MSZ-GA60VA, SEZ-KA60VA
7.1	MSZ-GA71VA, PEA-RP71EA, PLA-RP71AA

Piping Length and Height Differential Table



		MAX
Total piping	(A+B+C+D+E+F+G+H+I+J)	115m
Outdoor → Branch Box	(A+B)	55m
Branch Box → indoor	(C+D+E+F+G+H+I+J)	60m
	(Each C, D, E, F, G, H, I, J)	15m
Outdoor → indoor	(Farthest)	70m
Height difference	Outdoor - Indoor	30m※
	Outdoor - Branch Box	30m
	Branch Box - Indoor	15m
	Indoor - Indoor	12m

※ In case of installing the outdoor unit lower than indoor unit : 20m.

Outdoor Unit Specifications

MXZ-8A140VA Inverter Power Multi-Split Outdoor Unit (R410A)

TYPE			Inverter Multi-Split
MODEL NAME			MXZ-8A140VA
INDOOR COMBINATION			2 to 8 Indoor Units
COOL	Capacity	[kW]	14.0
	Input *1	[kW]	3.79
	COP (In + out) *2		3.52
	Sound Level (Rated)	[dB(A)]	50
	(Silent)	[dB(A)]	47
	Current Running (Rated)	[A]	16.55
	Air Volume (High)	[L/s]	1667
HEAT	Capacity	[kW]	16.0
	Input *1	[kW]	3.90
	COP (In + out) *2		3.91
	Sound Level (Rated)	[dB(A)]	52
	Current Running (Rated)	[A]	17.05
	Air Volume (High)	[L/s]	1667
Current Starting		[A]	29.5
Current Running (Max.)		[A]	14
Total Capacity of all indoor units		[kW]	4.4 to 18.5
OUTDOOR	Dimension (HxWxD)	[mm]	1350 x 950 x 330
	Weight	[kg]	128
EXT. PIPE	Liquid (diameter)	[mm]	9.52
	Gas (diameter)	[mm]	15.88
	Max. Length (Total) *3	[m]	115
	Max. Height *3	[m]	30
	Precharged	[m]	40
Connection Method (Indoor / Outdoor side)			Flared / Flared
Power Supply.		[V,Phase,Hz]	220 / 230 / 240, single, 50
OPERATION RANGE	Cooling	[°C]	-5 / +46
	Heating	[°C]	-10 / +21

*1 In case of connecting 3 units of MSZ-GA60VA. The Electrical data is only for outdoor unit.
*2 Including branch box and indoor units (3 units of MSZ-GA60VA).
*3 See Piping Length and Height Differential Table.

Additional Refrigerant Charge

Additional refrigerant charge is not necessary for this unit if the total pipe length (A + B + C + D + E + F + G + H + I + J) does not exceed 40m.

If the total pipe length exceeds 40m, charge the unit with additional R410A refrigerant according to the pipe lengths, referring to the chart below.

Total piping length (A + B + C + D + E + F + G + H + I + J)	40m or less	40 - 50m	51 - 70m	71 - 90m	91 - 115m
Additional refrigerant charging amount	0kg (no need)	0.9kg	1.7kg	2.5kg	3.5kg

External Wiring (Power supply intake : Outdoor unit only)

The single-phase power supply is needed only for the outdoor unit. The branch box and indoor units are powered by the outdoor unit through transmission wiring. Work on the power supply, therefore, should be carried out at only one location.

Breaker: Interrupting current - 40A / Performance characteristics - 40A, 30mA for 0.1 sec. or less.

IMPORTANT

Make sure that the current leakage breaker is the one compatible with higher harmonics. Always use a current leakage breaker that is compatible with higher harmonics as this unit is equipped with an inverter.

The use of an inadequate breaker can cause the incorrect operation of inverter.

Rating Conditions (AS / NZS 3823)
Cooling — Indoor: 27°C DB, 19°C WB Outdoor: 35°C
Heating — Indoor: 20°C DB Outdoor: 7°C DB, 6°C WB

Specifications

Note:
1. Rating Conditions (AS / NZS 3823)
Cooling — Indoor: 27°C DB, 19°C WB Outdoor: 35°C DB
Heating — Indoor: 20°C DB Outdoor: 7°C DB, 6°C WB
Refrigerant piping length (one way): 5 m
2. Guaranteed operating range: see specifications table
3. Dry function will not work when the room temperature is below 13°C

MSZ-A YV Inverter Wall-Mounted Heat Pump Model (R410A)

TYPE				Wall-Mounted Inverter Heat Pump					
MODEL NAME				MSZ-A09YV	MSZ-A12YV	MSZ-A18YV	MSZ-A24YV	MSZ-A26YV	MSZ-A30YV
INDOOR UNIT				MSZ-A09YV	MSZ-A12YV	MSZ-A18YV	MSZ-A24YV	MSZ-A26YV	MSZ-A30YV
OUTDOOR UNIT				MUZ-A09YV	MUZ-A12YV	MUZ-A18YV	MUZ-A24YV	MUZ-A26YV	MUZ-A30YV
COOL	Capacity		[kW]	2.5	3.5	5.0	6.0	7.1	8.0
		Min-Max	[kW]	0.9-3.2	1.0 - 4.1	0.9 - 5.9	0.9 - 6.7	0.9 - 8.3	0.9 - 8.8
	Input		[kW]	0.67	1.09	1.56	1.99	2.44	3.26
		Min-Max	[kW]	0.19 - 0.96	0.26 -1.35	0.4 - 2.16	0.4 -2.35	0.5 - 3.25	0.5 - 4.05
	COP			3.73	3.21	3.21	3.02	2.91	2.45
		Star Rating		6.0	5.0	5.0	4.0	4.0	2.5
	Sound Level	In (Lo/Hi)	[dB(A)]	21 / 37	22 / 39	31 / 43	32 / 48	33 / 48	33 / 48
		Out	[dB(A)]	46	47	53	53	53	53
	Rated Current (In/Out)		[A]	3.3	5.0	6.92	8.83	10.83	14.46
		Max Current	[A]	7.0	9.5	16	16	16	16
	Air Volume (High)	In	[L/s]	140	175	237	287	287	287
		Out	[L/s]	528	528	817	817	817	817
HEAT	Capacity		[kW]	3.2	4.0	5.9	6.8	8.1	9.0
		Min-Max	[kW]	0.9 - 5.0	0.9 - 6.0	0.9 - 7.8	0.9 - 8.1	0.9- 9.6	0.9 - 11.0
	Input		[kW]	0.84	1.08	1.73	2.05	2.65	3.25
		Min-Max	[kW]	0.20 - 1.50	0.22 - 1.94	0.4 - 2.6	0.4 - 2.8	0.5 -3.2	0.5 - 3.9
	COP			3.81	3.70	3.41	3.32	3.06	2.77
		Star Rating		6.0	5.5	4.5	4.0	3.5	2.5
	Sound Level	In (Lo/Hi)	[dB(A)]	21 / 38	22 / 38	31 / 43	32 / 48	33 / 48	33 / 48
		Out	[dB(A)]	46	48	55	55	55	55
	Rated Current (In/Out)		[A]	3.9	5.0	7.68	9.09	11.76	14.42
		Max Current	[A]	7.5	9.5	16	16	16	16
	Air Volume (High)	In	[L/s]	157	178	237	287	287	287
		Out	[L/s]	528	528	817	817	817	817
INDOOR	Dimensions (HxWxD)		[mm]	278 x 815 x 244	278 x 815 x 244	325 x 1100 x 258	325 x 1100 x 258	325 x 1100 x 258	325 x 1100 x 258
	Weight		[kg]	9	10	16	16	16	16
OUTDOOR	Dimensions (HxWxD)		[mm]	550 x 800 x 285	550 x 800 x 285	850 x 840 x 330	850 x 840 x 330	850 x 840 x 330	850 x 840 x 330
	Weight		[kg]	33	34	53	53	58	58
	PWL		[dB(A)]	59	61	68	68	68	68
EXT. PIPE	Diameter (Liquid/Gas)		[mm]	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88	9.52 / 15.88
	Max. Length/Height †		[m]	20 / 12	20 / 12	30 / 15	30 / 15	30 / 15	30 / 15
	Chargeless		[m]	7	7	7	7	7	7
OPERATION RANGE Outdoor	Cooling		[°C]	-10 / +46	-10 / +46	-10 / +43	-10 / +43	-10 / +43	-10 / +43
	Heating		[°C]	-10 / +24	-10 / +24	-10 / +24	-10 / +24	-10 / +24	-10 / +24

MSC-A YV & MSH-A WV Fixed Speed Wall-Mounted Heat Pump Model (R410A)

TYPE				Wall-Mounted Fix speed Heat Pump						
MODEL NAME				MSC-A07YV	MSC-A09YV	MSC-A12YV	MSH-A18WV	MSH-A24WV	MSH-A26WV	MSH-A30WV
INDOOR UNIT				MSC-A07YV	MSC-A09YV	MSC-A12YV	MSH-A18WV	MSH-A24WV	MSH-A26WV	MSH-A30WV
OUTDOOR UNIT				MUH-A07YV	MUH-A09YV	MUH-A12YV	MUH-A18WV	MUH-A24WV	MUH-A26WV	MUH-A30WV
COOL	Capacity		[kW]	2.3	2.55	3.5	5.1	6.3	7.2	8.5
	Input		[kW]	0.775	0.835	1.09	1.75	2.42	2.68	3.32
	COP			2.97	3.05	3.21	2.91	2.60	2.69	2.56
		Star Rating		4.0	4.5	5.0	4.0	3.0	3.0	2.5
	Sound Level	In (Lo/Hi)	[dB(A)]	25 / 36	25 / 36	26 / 40	34 / 42	34 / 45	37 / 47	37 / 47
		Out	[dB(A)]	47	49	49	52	53	55	55
	Rated Current		[A]	3.44	3.67	4.84	8.09	10.74	11.89	15.04
		Max Current	[A]	5	5.5	7.5	11	15.5	15.5	20.5
	Air Volume (High)	In	[L/s]	132	132	162	213	213	267	267
		Out	[L/s]	468	475	475	610	767	817	817
HEAT	Capacity		[kW]	2.5	3.0	3.8	5.3	7.2	8.0	9.6
	Input		[kW]	0.69	0.82	1.03	1.60	2.48	2.72	3.46
	COP			3.62	3.66	3.69	3.31	2.90	2.94	2.77
		Star Rating		5.0	5.5	5.5	4.0	3.0	3.0	2.5
	Sound Level	In (Lo/Hi)	[dB(A)]	25 / 36	25 / 39	26 / 39	34 /42	34 / 45	37 / 47	37 / 47
		Out	[dB(A)]	47	49	49	52	53	55	55
	Rated Current		[A]	3.03	3.60	4.57	7.48	11.10	12.07	15.67
		Max Current	[A]	5	5.5	7.5	11	15.5	15.5	20.5
	Air Volume [High]	In	[L/s]	142	163	168	213	213	267	267
		Out	[L/s]	468	475	475	610	767	817	817
INDOOR	Dimensions (HxWxD)		[mm]	278 x 815 x 244	278 x 815 x 244	278 x 815 x 244	325 x 1100 x 227	325 x 1100 x 227	325 x 1100 x 227	325 x 1100 x 227
	Weight		[kg]	9	9	10	16	16	16	16
OUTDOOR	Dimensions (HxWxD)		[mm]	540 x 780 x 255	540 x 780 x 255	540 x 780 x 255	605 x 850 x 290	850 x 840 x 330	850 x 840 x 330	850 x 840 x 330
	Weight		[kg]	35	38	40	47	74	77	77
	PWL		[dB(A)]	60	62	62	65	66	68	68
EXT. PIPE	Diameter (Liquid/Gas)		[mm]	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88	9.52 / 15.88
	Max. Length/Height †		[m]	20 / 10	20 / 10	25 / 10	25 / 10	25 / 10	30 / 15	30 / 15
	Chargeless		[m]	7	7	7	7	7	7	7
OPERATION RANGE Outdoor	Cooling		[°C]	+21 / +43	+21 / +43	+21 / +43	+21 / +43	+21 / +43	+21 / +43	+21 / +43
	Heating		[°C]	-10 / +24	-10 / +24	-10 / +24	-10 / +24	-10 / +24	-10 / +24	-10 / +24

Colour: Heat pump units shown may not be colour accurate, please ensure you view an actual unit for colour matching.

ALL

SLZ-KA VA Inverter Ceiling Cassette & SEZ-A AR Inverter Ceiling Concealed Heat Pump Models (R410A)

TYPE			2-by-2 Ceiling Cassette			Ceiling Concealed		
			Inverter			Inverter		
			Heat Pump			Heat Pump		
MODEL NAME			SLZ-KA25VA(L)	SLZ-KA35VA(L)	SLZ-KA50VA(L)	SEZ-A12AR	SEZ-A18AR	SEZ-A24AR
INDOOR UNIT			SLZ-KA25VA(L)	SLZ-KA35VA(L)	SLZ-KA50VA(L)	SEZ-A12AR	SEZ-A18AR	SEZ-A24AR
OUTDOOR UNIT			SUZ-KA25VA	SUZ-KA35VA	SUZ-KA50VA	SUZ-A12VR	SUZ-A18VR	SUZ-A24VR
COOL	Capacity	[kW]	2.5	3.5	4.6	3.4	5.0	5.5
	Min-Max	[kW]	0.9 - 3.2	1.0 - 3.9	1.1 - 5.2	1.0 - 3.8	1.1 - 5.6	1.1 - 6.3
	Input	[kW]	0.69	1.06	1.63	1.09	1.78	1.96
	Min-Max	[kW]	0.25 - 1.00	0.27 - 1.33	0.49 - 2.13	0.26 - 1.40	0.40 - 2.30	0.40 - 2.50
	COP		3.62	3.30	2.82	3.12	2.81	2.81
	Star Rating		6.0	5.0	3.5	4.5	3.5	3.5
	Sound Level In (Lo/Hi)	[dB(A)]	28 / 37	29 / 38	30 / 39	30 / 35	31 / 39	32 / 43
	Sound Level Out	[dB(A)]	46	47	53	47	55	55
	Rated Current (In/Out)	[A]	4.0	5.15	7.4	5.0	8.0	9.0
	Max Current	[A]	8.16	9.18	16.0	9.5	16.0	16.0
	Air Volume (High) In	[L/s]	167	183	183	217	283	333
	Air Volume (High) Out	[L/s]	572	557	817	528	833	833
HEAT	Capacity	[kW]	3.0	4.0	5.0	3.9	5.9	6.9
	Min-Max	[kW]	0.9 - 4.5	0.9 - 5.0	0.9 - 6.5	0.9 - 5.0	0.9 - 7.2	0.9 - 8.0
	Input	[kW]	0.83	1.10	1.55	1.10	1.84	2.45
	Min-Max	[kW]	0.17 - 1.36	0.25 - 1.46	0.39 - 3.36	0.22 - 1.60	0.40 - 3.00	0.50 - 3.20
	COP		3.61	3.64	3.23	3.55	3.21	2.82
	Star Rating		5.0	5.0	4.0	5.0	4.0	2.5
	Sound Level In (Lo/Hi)	[dB(A)]	28 / 37	29 / 38	30 / 39	30 / 35	31 / 39	32 / 43
	Sound Level Out	[dB(A)]	46	48	55	48	55	55
	Rated Current (In/Out)	[A]	4.0	5.15	7.4	4.9	8.5	10.4
	Max Current	[A]	8.16	9.18	16.0	9.5	16.0	16.0
	Air Volume (High) In	[L/s]	167	183	183	217	283	333
	Air Volume (High) Out	[L/s]	538	557	817	528	833	833
INDOOR	Dimensions (HxWxD)	[mm]	208 x 570 x 570 (Panel: 20 x 650 x 650)			270 x 1100 x 700		
	Weight	[kg]	16.5 (Panel: 3)			33.5		
	Static Pressure	[pa]	N/A			30 (Max. 50)		
OUTDOOR	Dimensions (HxWxD)	[mm]	550 x 800 x 285	550 x 800 x 285	850 x 840 x 330	550 x 800 x 285	850 x 840 x 330	850 x 840 x 330
	Weight	[kg]	33	37	53	34	53	53
	PWL	[dB(A)]	46	47	53	61	68	68
EXT. PIPE	Diameter (Liquid/Gas)	[mm]	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 9.52	6.35 / 12.7	6.35 /15.88
	Max. Length/Height †	[m]	20 / 12	20 / 12	30 / 15	20 / 10	30 / 15	30 / 15
	Chargeless	[m]	7	7	7	7	7	7
OPERATION RANGE Outdoor	Cooling	[°C]	-10 / +46	-10 / +46	-10 / +43	-10 / +46	-10 / +43	-10 / +43
	Heating	[°C]	-10 / +24	-10 / +24	-10 / +24	-10 / +24	-10 / +24	-10 / +24

MFZ-KA VA Inverter Compact Floor Console & MSZ-FA VA Inverter Deluxe Wall-mounted Heat Heat Pump Models (R410A)

TYPE			Compact Floor Console			Deluxe Wall-Mounted	
			Inverter			Inverter	
			Heat Pump			Heat Pump	
MODEL NAME			MFZ-KA25VA	MFZ-KA35VA	MFZ-KA50VA	MSZ-FA25VA	MSZ-FA35VA
INDOOR UNIT			MFZ-KA25VA	MFZ-KA35VA	MFZ-KA50VA	MSZ-FA25VA	MSZ-FA35VA
OUTDOOR UNIT			SUZ-KA25VA	SUZ-KA35VA	SUZ-KA50VA	MUZ-FA25VA	MUZ-FA25VA
COOL	Capacity	[kW]	2.5	3.5	4.8	2.5	3.5
	Min-Max	[kW]	0.9 - 3.4	0.9 - 3.9	0.9 - 5.4	0.9-3.2	1.0 - 4.1
	Input	[kW]	0.58	1.09	1.55	0.595	0.935
	Min-Max	[kW]	0.19 - 0.94	0.19 - 1.25	0.19 - 1.98	0.185 - 0.880	0.250 -1.280
	COP		4.31	3.21	3.1	4.20	3.74
	Star Rating		6.0	4.5	4.5	6.0	6.0
	Sound Level In (Lo/SHi*)	[dB(A)]	22 / 32	23 / 33	32 / 39	21 / 36	22 / 36
	Sound Level Out	[dB(A)]	46	47	53	46	47
	Rated Current	[A]	2.83	5.03	7.0	3.0	4.3
	Max Current	[A]	9.2	10.3	17.8	7.21	7.44
	Air Volume (Super High) In	[L/s]	145	152	178	165	165
	Air Volume (Super High) Out	[L/s]	571	557	817	572	557
HEAT	Capacity	[kW]	3.4	4.0	6.0	3.2	4.0
	Min-Max	[kW]	0.9 - 5.1	0.9 - 6.2	0.9 - 7.9	0.9 - 5.0	0.9 - 6.0
	Input	[kW]	0.835	1.10	1.86	0.735	0.995
	Min-Max	[kW]	0.19 - 1.91	0.19 - 2.24	0.19 - 2.81	0.195 - 1.450	0.22 - 1.94
	COP		4.07	3.64	3.23	4.35	4.02
	Star Rating		6.0	5.0	4.0	6.0	6.0
	Sound Level In (Lo/Hi)	[dB(A)]	22 / 32	25 / 33	32 / 39	21 / 36	22 / 36
	Sound Level Out	[dB(A)]	46	48	55	46	48
	Rated Current	[A]	4.03	5.03	8.5	3.5	4.6
	Max Current	[A]	9.2	10.3	17.8	7.21	7.44
	Air Volume (Super High*) In	[L/s]	152	158	197	170	170
	Air Volume (Super High*) Out	[L/s]	539	557	817	572	557
INDOOR	Dimensions (HxWxD)	[mm]	600 x 700 x 200			298 x 780 x 198	
	Weight	[kg]	14			10	
OUTDOOR	Dimensions (HxWxD)	[mm]	550 x 800 x 285	550 x 800 x 285	850 x 840 x 330	550 x 800 x 285	550 x 800 x 285
	Weight	[kg]	33	37	53	33	37
	PWL	[dB(A)]	46	48	55	46	48
EXT. PIPE	Diameter (Liquid/Gas)	[mm]	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 9.52	6.35 / 9.52
	Max. Length/Height †	[m]	20 / 12	20 / 12	30 / 15	20 / 12	20 / 12
	Chargeless	[m]	7	7	7	7	7
OPERATION RANGE Outdoor	Cooling	[°C]	-10 / +46	-10 / +46	-10 / +43	-10 / +46	-10 / +46
	Heating	[°C]	-10 / +24	-10 / +24	-10 / +24	-10 / +24	-10 / +24

† Maximum length is inclusive of height differential. i.e. (30/15) means the pipe can be 15m high and 15m across for a total length of 30m.

Features

TYPE									
MODEL NAME		MSZ-A09/12YV	MSZ-A18/24/26/30YV	MSH-A07/09/12YV	MSH-A18/24/26/30WV	MSZ-FA25/35VA	MFZ-KA25/35/50VA	SLZ-KA25/35/50VA(L)	SEZ-A12/18/24AR
INDOOR DESIGN	Flat Panel	○	○	○		○			
	650mm x 650mm Grille							○	
	270mm Height								○
AIR CLEAN	Catechin Air Filter	○	○	○	○		○		
	Air Cleaning Filter	○	○	○	○		○	○	○
	Deodorising Filter						○		
	Plasma Deodorising & Air Filters					○			
	Quick Clean	○				○			
COMFORT	I Feel ...	○	○	○	○	○	○		
	Area Setting: i-see Sensor					○			
	Econo Cool	○	○	○	○	○	○		
AIR FLOW	Auto Vane (Up & Down)	○	○	○	○	○	○	○	
	Swing Mode (Up & Down)	○	○	○	○	○	○	○	
	Wide Swing (150 degree)		○		○				
	Long Air Flow (12m)		○		○				
ENERGY SAVING	DC Inverter	○	○			○	○	○	○
	PAM Control	○	○			○	○	○	○
INSTALL	Power Supply	From Indoor Unit	In/Out Separate	In/Out Separate	In/Out Separate	From Outdoor Unit	In/Out Separate	In/Out Separate	In/Out Separate
	Flare Connection	○	○	○	○	○	○	○	○
	Cleaning Free Technology	○	○			○	○	○	○
	Longer Piping	○	○				○	○	○
OTHERS	Remote Controller	Infra Red	Infra Red	Infra Red	Infra Red	Infra Red	Infra Red	Wired / Infra Red (VAL)	Wired
	Timer	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	7 Day / 12 Hour (VAL)	24 Hour
	Auto Restart	On	On	On	On	On	On	On	On
	Auto Change Over	○				○	○	○	○
	Self Diagnostic	○	○	○	○	○	○	○	○
	Self Diagnostic	○	○			○	○	○	○
	PAR-21MAA: 7 Day Timer					Optional	Optional	Wired Only (VA)	

Optional Parts

Catechin Air Filter / Deodorising Filter

Part No.	
E02 763 100	: for MSC-A07/09YV, MSZ-A09YV
E02 764 100	: for MSC-A12YV, MSZ-A12YV
E02 534 100	: for MSH-A18/24/26/30WV, MSZ-A18/24/26/30YV

E02 763 100
E02 764 100
E02 534 100

Air Filter

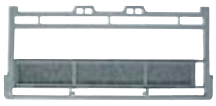
Part No.	
PAC-1000FT	: for SEZ-A12/18/24AR
E02 179 100	: for MCFZ-A12WV

E02 179 100

PAC-1000FT

Deodorising Filter

Part No.	
MAC-1700DF	: for MCFH-A12/18/24WV, MCFZ-A12/18WV
MAC-305FT-E	: for MSZ-FA25/35VA

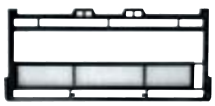


MAC-1700DF

Air Cleaning Filter (Micron Filter)

Part No.	
MAC-1200FT	: for MCFH-A12/18/24WV, MCFZ-A12/18WV
MAC-1300FT	: for MSC-A07/09/12YV, MSZ-A09/12YV
MAC-1700FT	: for MSH-A18/24/26/30WV, MSZ-A18/24/26/30YV

MAC-1300FT
MAC-1700FT



MAC-1200FT

Anti Allergy Enzyme Filter*

Part No.	
MAC-415FT-E	: for MFZ-KA25/35/50VA, MSZ-GA22/25/35VA
MAC-2300FT-E	: for MSZ-GA50/60/71VA

**Can be used for about 1 year if washed regulary*

MAC-093SS-E

Drain Socket

Timer and Centralised Controller

PAR-21MAA - 7 Day Timer (MA Remote Controller)

Part No.	
39111	: for MFZ-KA25/35/50VA, MSZ-FA25/35VA, MSZ-GA22/25/35/50/60/71VA (Requires MAC-397IF-E)
39331A	: MAC-397IF-E (MA & Contact Terminal Interface)

Centralised On/Off Remote Controller

Part No.	
MAC-821SC-E	: for MFZ-KA25/35/50VA, MSZ-FA25/35VA, MSZ-GA22/25/35/50/60/71VA, SLZ-KA25/35/50VA(L)

PAR-21MAA

MAC-821SC-E

Quick Clean Kit

Part No.
MAC-093SS-E

Drain Socket

Part No.	
MAC-811DS	: for MUH-A07/09/12/18/24/26/30WV, MUZ-A18/24/26/30VY
MAC-851DS	: for MUZ-A09/12VY
E02 838 704	: for SUZ-A09/12VR
PAC-SG61DS-E	: for MXZ-8A140VA

G-50 Controller (With Web Server Functions!)

Mitsubishi Electric can also offer you a control system to control your Air Conditioning from your local PC. The G-50 or GB-50 gives you simple Computer control from your local Internet Explorer. The Controller can have added features by installing Software packages to suit your application. These Software Packages include 365 day Time Scheduling, Auto Alarming via Email when a Fault occurs and Power Logging for multiple tenancy applications. The controller also External Inputs and Outputs for Fresh Air Fan Start up and Fire Shutdown control. All of these features gives you a very universal controller.

G-50 Centralised Remote Controller

Model No.	
G-50/GB-50	: for MFZ-KA25/35/50VA, MSZ-FA25/35VA, MSZ-GA22/25/35/50/60/71VA, SLZ-KA25/35/50VA(L), SEZ-KA35/50/60VA, PLA-RP71AA, PEA-RP71EA MXZ-2A52VA, MXZ-3A54VA MXZ-4A71VA, MXZ-4A80VA MXZ-8A140VA

G-50

GB-50

Example of display icons (air conditioner icons)

	Operation
	Stop
	Occurrence of abnormality
	Operation/ Occurrence of a filter sign
	In timer operation
	Lossnay on
	Under energy-saving control

Web Screen Views

5 Year Warranty

Mitsubishi Electric Air Conditioner / Heat Pumps come with a full 5 year parts, labour and compressor warranty.

Your Guarantee of Excellence

This emblem is your assurance of the very best in technology and quality as it represents Mitsubishi Electric's continuing efforts in making our air conditioners the industry standard. Every Mitsubishi Electric air conditioner is a product of painstaking research, relentless testing, and a resolute determination to improve upon vital performance characteristics. As a result, our air conditioners have become more durable, less costly to operate, quieter, easy on installation and maintenance, and better able to distribute air evenly throughout any type of interior. This kind of commitment to quality enables our products to create remarkably pleasant environments that will ultimately make your life more comfortable.

COMFORT
• Quiet Operation
• Optimal Air Distribution
• Quick Clean, Filtered Air

DURABILITY
• Strict Performance Tests
• 5 Year Warranty
• Replacement Parts

EFFICIENCY
• Energy Saving
• Inverter Technology
• Space Saving

Mitsubishi Electric Quality

Mitsubishi Electric Quality, or MEQ for short, means many things.
It marks 70 years of excellence in technology, design and production.
It represents the highest standards of comfort, efficiency and durability.
And it simply spells the best air-conditioners you can buy today.

5 Year Warranty

Mitsubishi Electric Air Conditioner / Heat Pumps come with
a full 5 year parts, labour and compressor warranty.

For further information contact:

Certificate Number 49385

Certificate Number EC97J1227

Mitsubishi Electric Shizuoka Works acquired ISO 9001 certification under Series 9000 of the International Standard Organisation (ISO) based on a review of quality warranties for the production of air conditioning equipment. The plant also acquired environmental management system standard ISO 14001 certification.

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